

Elena Ciani

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,818
citations

257101

24
h-index

197535

49
g-index

85
all docs

85
docs citations

85
times ranked

2686
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Wide Analysis of the World's Sheep Breeds Reveals High Levels of Historic Mixture and Strong Recent Selection. <i>PLoS Biology</i> , 2012, 10, e1001258.	2.6	719
2	Selection Signatures in Worldwide Sheep Populations. <i>PLoS ONE</i> , 2014, 9, e103813.	1.1	197
3	Molecular tools and analytical approaches for the characterization of farm animal genetic diversity. <i>Animal Genetics</i> , 2012, 43, 483-502.	0.6	104
4	Merino and Merino-derived sheep breeds: a genome-wide intercontinental study. <i>Genetics Selection Evolution</i> , 2015, 47, 64.	1.2	97
5	Genome-wide analysis of Italian sheep diversity reveals a strong geographic pattern and cryptic relationships between breeds. <i>Animal Genetics</i> , 2014, 45, 256-266.	0.6	84
6	GBS-derived SNP catalogue unveiled wide genetic variability and geographical relationships of Italian olive cultivars. <i>Scientific Reports</i> , 2018, 8, 15877.	1.6	84
7	Signatures of selection identify loci associated with fat tail in sheep1. <i>Journal of Animal Science</i> , 2015, 93, 4660-4669.	0.2	81
8	Genotyping-by-sequencing of a melon (<i>Cucumis melo</i> L.) germplasm collection from a secondary center of diversity highlights patterns of genetic variation and genomic features of different gene pools. <i>BMC Genomics</i> , 2017, 18, 59.	1.2	72
9	Runs of homozygosity reveal genome-wide autozygosity in Italian sheep breeds. <i>Animal Genetics</i> , 2018, 49, 71-81.	0.6	67
10	Old World camels in a modern world – a balancing act between conservation and genetic improvement. <i>Animal Genetics</i> , 2019, 50, 598-612.	0.6	59
11	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
12	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
13	Conservation status and historical relatedness of Italian cattle breeds. <i>Genetics Selection Evolution</i> , 2018, 50, 35.	1.2	50
14	Whole-Genome Resequencing of Worldwide Wild and Domestic Sheep Elucidates Genetic Diversity, Introgression, and Agronomically Important Loci. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	50
15	Paternal Origins and Migratory Episodes of Domestic Sheep. <i>Current Biology</i> , 2020, 30, 4085-4095.e6.	1.8	49
16	Recommendations for Choosing the Genotyping Method and Best Practices for Quality Control in Crop Genome-Wide Association Studies. <i>Frontiers in Genetics</i> , 2020, 11, 447.	1.1	48
17	Historical Introgression from Wild Relatives Enhanced Climatic Adaptation and Resistance to Pneumonia in Sheep. <i>Molecular Biology and Evolution</i> , 2021, 38, 838-855.	3.5	44
18	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

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19	Admixture and Local Breed Marginalization Threaten Algerian Sheep Diversity. <i>PLoS ONE</i> , 2015, 10, e0122667.	1.1	42
20	Statistical analysis of individual assignment tests among four cattle breeds using fifteen STR loci1. <i>Journal of Animal Science</i> , 2006, 84, 11-19.	0.2	38
21	The genetic heritage of Alpine local cattle breeds using genomic SNP data. <i>Genetics Selection Evolution</i> , 2020, 52, 40.	1.2	32
22	Genome-wide analysis highlights genetic dilution in Algerian sheep. <i>Heredity</i> , 2017, 118, 293-301.	1.2	30
23	Analysis of genetic variability within and among Italian sheep breeds reveals population stratification and suggests the presence of a phylogeographic gradient. <i>Small Ruminant Research</i> , 2013, 112, 21-27.	0.6	29
24	Exposure to cadmium during in vitro maturation at environmental nanomolar levels impairs oocyte fertilization through oxidative damage: A large animal model study. <i>Reproductive Toxicology</i> , 2017, 69, 132-145.	1.3	29
25	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
26	The Camel Adaptive Immune Receptors Repertoire as a Singular Example of Structural and Functional Genomics. <i>Frontiers in Genetics</i> , 2019, 10, 997.	1.1	28
27	Effect of Research Impact on Emerging Camel Husbandry, Welfare and Social-Related Awareness. <i>Animals</i> , 2020, 10, 780.	1.0	28
28	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
29	Selection of discriminant SNP markers for breed and geographic assignment of Italian sheep. <i>Small Ruminant Research</i> , 2015, 128, 27-33.	0.6	22
30	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
31	Weak Genetic Structure in Northern African Dromedary Camels Reflects Their Unique Evolutionary History. <i>PLoS ONE</i> , 2017, 12, e0168672.	1.1	22
32	Looking for prognosticators in ovine anaplasmosis: discriminant analysis of clinical and haematological parameters in lambs belonging to differently susceptible breeds experimentally infected with <i>Anaplasma ovis</i> . <i>Acta Veterinaria Scandinavica</i> , 2013, 55, 71.	0.5	20
33	Genetic homogenization of indigenous sheep breeds in Northwest Africa. <i>Scientific Reports</i> , 2019, 9, 7920.	1.6	20
34	One-step automated bioprinting-based method for cumulus-oocyte complex microencapsulation for 3D in vitro maturation. <i>PLoS ONE</i> , 2020, 15, e0238812.	1.1	20
35	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
36	Demographic genetics of the endangered Amiata donkey breed. <i>Italian Journal of Animal Science</i> , 2006, 5, 387-391.	0.8	19

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37	Sequence and polymorphism analysis of the camel (<i>Camelus dromedarius</i>) myostatin gene. <i>Emirates Journal of Food and Agriculture</i> , 2015, 27, 367.	1.0	19
38	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
39	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
40	The mycotoxin beauvericin induces oocyte mitochondrial dysfunction and affects embryo development in the juvenile sheep. <i>Molecular Reproduction and Development</i> , 2019, 86, 1430-1443.	1.0	18
41	Inference of Breed Structure in Farm Animals: Empirical Comparison between SNP and Microsatellite Performance. <i>Genes</i> , 2020, 11, 57.	1.0	18
42	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
43	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
44	Local adaptations of Mediterranean sheep and goats through an integrative approach. <i>Scientific Reports</i> , 2021, 11, 21363.	1.6	18
45	Calcium-Sensing Receptor-Mediated Osteogenic and Early-Stage Neurogenic Differentiation in Umbilical Cord Matrix Mesenchymal Stem Cells from a Large Animal Model. <i>PLoS ONE</i> , 2014, 9, e111533.	1.1	16
46	The genetic variability of the Podolica cattle breed from the Gargano area. Preliminary results. <i>Italian Journal of Animal Science</i> , 2006, 5, 79-85.	0.8	15
47	Effect of cariporide on ram sperm pH regulation and motility: possible role of NHE1. <i>Reproduction</i> , 2018, 155, 433-445.	1.1	13
48	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
49	Genetic structure of Tunisian sheep breeds as inferred from genome-wide SNP markers. <i>Small Ruminant Research</i> , 2020, 191, 106192.	0.6	12
50	The genetic variability analysis of the Amiata donkey breed by molecular data. <i>Italian Journal of Animal Science</i> , 2007, 6, 78-80.	0.8	12
51	Genetic variability of the Gentile di Puglia sheep breed based on microsatellite polymorphism. <i>Journal of Animal Science</i> , 2009, 87, 1205-1209.	0.2	11
52	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
53	Cytochrome b marker reveals an independent lineage of <i>Stenella coeruleoalba</i> in the Gulf of Taranto. <i>PLoS ONE</i> , 2019, 14, e0213826.	1.1	10
54	Multi-trait animal model estimation of genetic parameters for morphometric measurements in the Murgese horse breed. <i>Livestock Science</i> , 2016, 191, 139-142.	0.6	9

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55	Genome-wide diversity and global migration patterns in dromedaries follow ancient caravan routes. <i>Communications Biology</i> , 2020, 3, 387.	2.0	9
56	Camel herds' reproductive performance in Algeria: Objectives and thresholds in extreme arid conditions. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2020, 19, 482-491.	1.0	9
57	Análisis biocinémático de locomoción y termografía aplicada en la raza camellar canaria. <i>Archivos De Zootecnia</i> , 2020, 69, 102-107.	0.2	9
58	MED1101: A new dialdehydic compound regulating P2 _U receptor cell surface expression in U937 cells. <i>Biology of the Cell</i> , 2013, 105, 399-413.	0.7	8
59	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
60	Caracterización zootécnica y evaluación de la condición corporal en la raza camellar canaria. <i>Archivos De Zootecnia</i> , 2020, 69, 14-21.	0.2	8
61	The Youngest, the Heaviest and/or the Darkest? Selection Potentialities and Determinants of Leadership in Canarian Dromedary Camels. <i>Animals</i> , 2021, 11, 2886.	1.0	8
62	Camel Genetic Resources Conservation through Tourism: A Key Sociocultural Approach of Camelback Leisure Riding. <i>Animals</i> , 2020, 10, 1703.	1.0	7
63	A tool for functional selection of leisure camels: Behaviour breeding criteria may ensure long-term sustainability of a European unique breed. <i>Research in Veterinary Science</i> , 2021, 140, 142-152.	0.9	7
64	Beyond the Big Five: Investigating Myostatin Structure, Polymorphism and Expression in <i>Camelus dromedarius</i> . <i>Frontiers in Genetics</i> , 2019, 10, 502.	1.1	5
65	High-Density Genomic Characterization of Native Croatian Sheep Breeds. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	5
66	Morphological characterization of the Amiata donkey breed through the data reported in the Anagraphic Register. <i>Italian Journal of Animal Science</i> , 2007, 6, 70-70.	0.8	4
67	Beauvericin alters the expression of genes coding for key proteins of the mitochondrial chain in ovine cumulus-oocyte complexes. <i>Mycotoxin Research</i> , 2021, 37, 1-9.	1.3	4
68	Genetic Variability within the Murgese Horse Breed Inferred from Genealogical Data and Morphometric Measurements. <i>Diversity</i> , 2022, 14, 422.	0.7	4
69	Beef Traceability Using Molecular Methodologies. <i>Veterinary Research Communications</i> , 2006, 30, 375-377.	0.6	3
70	Tolerance to Tick-Borne Diseases in Sheep: Highlights of a Twenty-Year Experience in a Mediterranean Environment. , 0, , .		3
71	Lamb Meat Quality and Carcass Evaluation of Five Autochthonous Sheep Breeds: Towards Biodiversity Protection. <i>Animals</i> , 2021, 11, 3222.	1.0	2
72	The Non-Gastric H ⁺ /K ⁺ ATPase (ATP12A) Is Expressed in Mammalian Spermatozoa. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1048.	1.8	2

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73	Genetic variability of three local cattle breeds (Calvana, Pontremolese, Garfagnina) by STR analysis. Italian Journal of Animal Science, 2007, 6, 81-81.	0.8	1
74	The haemoglobin subunits alpha and beta: Old and new genetic variants in the Italian Mediterranean buffalo. Czech Journal of Animal Science, 2019, 64, 279-290.	0.5	1
75	Caracterizaci3n etol3gica de la raza camellar canaria. Archivos De Zootecnia, 2020, 69, 108-115.	0.2	1
76	Haplotype association analysis of meat quality traits at the bovine PRKAG3 locus. Italian Journal of Animal Science, 2007, 6, 82-84.	0.8	1
77	Social Network Analysis of the Stakeholders Involved in the Dromedary Sector in the Mediterranean Region. Sustainability, 2021, 13, 12127.	1.6	1
78	Assessment of genetic diversity of the striped dolphin population in the Gulf of Taranto (Northern) Tj ETQq0 0 0 rgBT /Overloçk 10 Tf 50		
79	Characterization of plant diversity of pastures and volatile organic compound analysis in ewe's milk from a typical farm system in the Alta Murgia national park (southern Italy): opportunities for a sustainable land use. Italian Journal of Agronomy, 2012, 7, 19.	0.4	0
80	The genetic resistance to gastro-intestinal strongylids in Appenninica sheep: relationship among parasitological load and haematological parameters. Italian Journal of Animal Science, 2007, 6, 72-72.	0.8	0
81	337 MITOCHONDRIA AND REACTIVE OXYGEN SPECIES IN PREBUPERTAL LAMB OOCYTES BEFORE AND AFTER IN VITRO MATURATION. Reproduction, Fertility and Development, 2010, 22, 325.	0.1	0
82	Phylogenetic Insights into the History of Tunisian and Iberian Cattle Using the Illumina BovineSNP50 BeadChip. Advances in Science, Technology and Innovation, 2018, , 1197-1199.	0.2	0