

Sofia Mikko

List of Publications by Year in descending order

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51
papers

2,471
citations

201674

27
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197818

49
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54
all docs

54
docs citations

54
times ranked

2499
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in DMRT3 affect locomotion in horses and spinal circuit function in mice. <i>Nature</i> , 2012, 488, 642-646.	27.8	364
2	Genome-Wide Analysis Reveals Selection for Important Traits in Domestic Horse Breeds. <i>PLoS Genetics</i> , 2013, 9, e1003211.	3.5	240
3	Genetic Diversity in the Modern Horse Illustrated from Genome-Wide SNP Data. <i>PLoS ONE</i> , 2013, 8, e54997.	2.5	214
4	A missense mutation in PMEL17 is associated with the Silver coat color in the horse. <i>BMC Genetics</i> , 2006, 7, 46.	2.7	139
5	Low major histocompatibility complex class II diversity in European and North American moose.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 4259-4263.	7.1	109
6	Nomenclature for factors of the BoLA system, 1996: report of the ISAG BoLA Nomenclature Committee. <i>Animal Genetics</i> , 1997, 28, 159-168.	1.7	106
7	Monomorphism and polymorphism at Mhc DRB loci in domestic and wild ruminants. <i>Immunological Reviews</i> , 1999, 167, 169-178.	6.0	106
8	The genetic origin and history of speed in the Thoroughbred racehorse. <i>Nature Communications</i> , 2012, 3, 643.	12.8	77
9	Worldwide frequency distribution of the <i>Gait keeper</i> ™ mutation in the <i>DMRT3</i> gene. <i>Animal Genetics</i> , 2014, 45, 274-282.	1.7	74
10	Regulatory mutations in TBX3 disrupt asymmetric hair pigmentation that underlies Dun camouflage color in horses. <i>Nature Genetics</i> , 2016, 48, 152-158.	21.4	59
11	Extensive MHC class II DRB3 diversity in African and European cattle. <i>Immunogenetics</i> , 1995, 42, 408-13.	2.4	55
12	Generation of MHC Class II Diversity by Intra- and Intergenic Recombination. <i>Immunological Reviews</i> , 1995, 143, 5-12.	6.0	53
13	Limited polymorphism at major histocompatibility complex (MHC) loci in the Swedish moose <i>A. alces</i> . <i>Molecular Ecology</i> , 1996, 5, 3-9.	3.9	52
14	Genetic Diversity of Five Local Swedish Chicken Breeds Detected by Microsatellite Markers. <i>PLoS ONE</i> , 2015, 10, e0120580.	2.5	49
15	Genomic structure of the horse major histocompatibility complex class II region resolved using PacBio long-read sequencing technology. <i>Scientific Reports</i> , 2017, 7, 45518.	3.3	48
16	On the Origin of Indonesian Cattle. <i>PLoS ONE</i> , 2009, 4, e5490.	2.5	46
17	Pharmacological characterization of cloned chicken neuropeptide- ϵ Y receptors Y1 and Y5. <i>Journal of Neurochemistry</i> , 2002, 81, 462-471.	3.9	43
18	A Comparative Analysis of Mhc DRB3 Polymorphism in the American Bison (<i>Bison bison</i>). <i>Journal of Heredity</i> , 1997, 88, 499-503.	2.4	41

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19	The same ELA class II risk factors confer equine insect bite hypersensitivity in two distinct populations. <i>Immunogenetics</i> , 2012, 64, 201-208.	2.4	40
20	BoLA class II nucleotide sequences, 1996: report of the ISAG BoLA Nomenclature Committee. <i>Animal Genetics</i> , 1997, 28, 169-180.	1.7	39
21	The PCR typing of MHC-DRB genes in the sheep using primers for an intronic microsatellite: Application to nematode parasite resistance. <i>Immunology and Cell Biology</i> , 1996, 74, 330-336.	2.3	36
22	Signatures of selection in the genome of Swedish warmblood horses selected for sport performance. <i>BMC Genomics</i> , 2019, 20, 717.	2.8	35
23	Copy number expansion of the STX17 duplication in melanoma tissue from Grey horses. <i>BMC Genomics</i> , 2012, 13, 365.	2.8	34
24	Genetic analysis of insect bite hypersensitivity (summer eczema) in Icelandic horses. <i>Animal</i> , 2008, 2, 360-365.	3.3	32
25	Genomic relatedness and diversity of Swedish native cattle breeds. <i>Genetics Selection Evolution</i> , 2019, 51, 56.	3.0	31
26	Large Deletions at the SHOX Locus in the Pseudoautosomal Region Are Associated with Skeletal Atavism in Shetland Ponies. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 2213-2223.	1.8	29
27	Comparative linkage mapping of the Grey coat colour gene in horses ¹ . <i>Animal Genetics</i> , 2005, 36, 390-395.	1.7	28
28	Using an Inbred Horse Breed in a High Density Genome-Wide Scan for Genetic Risk Factors of Insect Bite Hypersensitivity (IBH). <i>PLoS ONE</i> , 2016, 11, e0152966.	2.5	28
29	Polymorphisms and variants in the prion protein sequence of European moose (<i>Alces alces</i>), reindeer (<i>Rangifer tarandus</i>), roe deer (<i>Capreolus capreolus</i>) and fallow deer (<i>Dama</i>) Tj ETQq1 1 01784314 rgbT /Ov	1.7	28
30	Genetic Diversity and Signatures of Selection in a Native Italian Horse Breed Based on SNP Data. <i>Animals</i> , 2020, 10, 1005.	2.3	24
31	The DMRT3 "Gait keeper"™ mutation affects performance of Nordic and Standardbred trotters ¹ . <i>Journal of Animal Science</i> , 2014, 92, 4279-4286.	0.5	23
32	Inter- and intra-breed genome-wide copy number diversity in a large cohort of European equine breeds. <i>BMC Genomics</i> , 2019, 20, 759.	2.8	22
33	Icelandic horses with the Silver coat colour show altered behaviour in a fear reaction test. <i>Applied Animal Behaviour Science</i> , 2013, 146, 72-78.	1.9	19
34	A phylogenetic analysis of cattle DRB3 alleles with a deletion of codon 65. <i>Immunogenetics</i> , 1997, 47, 23-29.	2.4	15
35	Mutations in ASIP and MC1R: dominant black and recessive black alleles segregate in native Swedish sheep populations. <i>Animal Genetics</i> , 2019, 50, 712-717.	1.7	14
36	The evolutionary history of the DMRT3 "Gait keeper"™ haplotype. <i>Animal Genetics</i> , 2017, 48, 551-559.	1.7	14

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37	Targeted analysis of four breeds narrows equine Multiple Congenital Ocular Anomalies locus to 208 kilobases. <i>Mammalian Genome</i> , 2011, 22, 353-360.	2.2	13
38	Heterozygosity excess at the cattleDRB locus revealed by large scale genotyping of two closely linked microsatellites. <i>Animal Genetics</i> , 1999, 30, 169-176.	1.7	12
39	A Nonsense Variant in the <i>ST14</i> Gene in Akhal-Teke Horses with Naked Foal Syndrome. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 1315-1321.	1.8	12
40	Genomic Divergence in Swedish Warmblood Horses Selected for Equestrian Disciplines. <i>Genes</i> , 2019, 10, 976.	2.4	11
41	A genome-wide scan for candidate lethal variants in Thoroughbred horses. <i>Scientific Reports</i> , 2020, 10, 13153.	3.3	9
42	Using droplet digital PCR for the detection of hco-acr-8b levamisole resistance marker in <i>H. contortus</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2021, 15, 168-176.	3.4	8
43	Close genetic linkage between DRBP1 and CYP21 in the MHC of cattle. <i>Mammalian Genome</i> , 1994, 5, 731-734.	2.2	6
44	Conformation Traits and Gaits in the Icelandic Horse are Associated with Genetic Variants in <i>Myostatin</i> (<i>MSTN</i>). <i>Journal of Heredity</i> , 2016, 107, 431-437.	2.4	6
45	The Origin of Amniotic Polymorphonuclear Leucocytes in the Mare. <i>Reproduction in Domestic Animals</i> , 2013, 48, e88-e89.	1.4	5
46	Evaluation of whole-genome sequencing of four Chinese crested dogs for variant detection using the ion proton system. <i>Canine Genetics and Epidemiology</i> , 2015, 2, 16.	2.8	5
47	Polymorphisms in <i>SPINK5</i> do not associate with insect bite hypersensitivity in Icelandic horses born in Sweden. <i>Animal Genetics</i> , 2009, 40, 790-791.	1.7	4
48	Performance of Swedish Warmblood fragile foal syndrome carriers and breeding prospects. <i>Genetics Selection Evolution</i> , 2022, 54, 4.	3.0	3
49	Frequencies of polymorphisms in myostatin vary in Icelandic horses according to the use of the horses. <i>Animal Genetics</i> , 2015, 46, 467-468.	1.7	2
50	THE SPECIFICITY OF ANTI-HLA CLASS II MONOCLONAL ANTIBODIES IN CATTLE. <i>International Journal of Immunogenetics</i> , 1997, 24, 211-223.	1.2	0
51	P4006 Equine major histocompatibility complex class II region: Long-read sequencing and annotation of nine bacterial artificial chromosome clones. <i>Journal of Animal Science</i> , 2016, 94, 82-82.	0.5	0