

Johanna Vilkki

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,391
citations

394421

19
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2934
citing authors

#	ARTICLE	IF	CITATIONS
1	A heritable subset of the core rumen microbiome dictates dairy cow productivity and emissions. <i>Science Advances</i> , 2019, 5, eaav8391.	10.3	218
2	The effect of dietary forage to concentrate ratio and forage type on milk fatty acid composition and milk fat globule size of lactating cows. <i>Journal of Dairy Science</i> , 2019, 102, 8825-8838.	3.4	17
3	Meta-analysis of genome-wide association studies for cattle stature identifies common genes that regulate body size in mammals. <i>Nature Genetics</i> , 2018, 50, 362-367.	21.4	286
4	Sheep and cattle population dynamics based on ancient and modern DNA reflects key events in the human history of the North-East Baltic Sea Region. <i>Journal of Archaeological Science: Reports</i> , 2018, 18, 169-173.	0.5	5
5	Dietary supplement of conjugated linoleic acids or polyunsaturated fatty acids suppressed the mobilization of body fat reserves in dairy cows at early lactation through different pathways. <i>Journal of Dairy Science</i> , 2018, 101, 7954-7970.	3.4	18
6	Genome-wide mapping of large deletions and their population-genetic properties in dairy cattle. <i>DNA Research</i> , 2018, 25, 49-59.	3.4	18
7	Diet-induced milk fat depression is associated with alterations in ruminal biohydrogenation pathways and formation of novel fatty acid intermediates in lactating cows. <i>British Journal of Nutrition</i> , 2017, 117, 364-376.	2.3	31
8	Taxon abundance, diversity, co-occurrence and network analysis of the ruminal microbiota in response to dietary changes in dairy cows. <i>PLoS ONE</i> , 2017, 12, e0180260.	2.5	84
9	Oral Samples as Non-Invasive Proxies for Assessing the Composition of the Rumen Microbial Community. <i>PLoS ONE</i> , 2016, 11, e0151220.	2.5	70
10	Ruminal Infusions of Cobalt EDTA Modify Milk Fatty Acid Composition via Decreases in Fatty Acid Desaturation and Altered Gene Expression in the Mammary Gland of Lactating Cows. <i>Journal of Nutrition</i> , 2016, 146, 976-985.	2.9	12
11	A 660-Kb Deletion with Antagonistic Effects on Fertility and Milk Production Segregates at High Frequency in Nordic Red Cattle: Additional Evidence for the Common Occurrence of Balancing Selection in Livestock. <i>PLoS Genetics</i> , 2014, 10, e1004049.	3.5	126
12	QTL Analysis of Behavior in Nine-Spined Sticklebacks (<i>Pungitius pungitius</i>). <i>Behavior Genetics</i> , 2014, 44, 77-88.	2.1	19
13	Effect of DNA extraction and sample preservation method on rumen bacterial population. <i>Anaerobe</i> , 2014, 29, 80-84.	2.1	81
14	Quantitative trait loci for growth and body size in the nine-spined stickleback <i>Pungitius pungitius</i> . <i>Molecular Ecology</i> , 2013, 22, 5861-5876.	3.9	29
15	Expression of SPEF2 During Mouse Spermatogenesis and Identification of IFT20 as an Interacting Protein1. <i>Biology of Reproduction</i> , 2010, 82, 580-590.	2.7	74
16	Resolving the evolution of extant and extinct ruminants with high-throughput phylogenomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18644-18649.	7.1	196
17	The genetic structure of cattle populations (<i>Bos taurus</i>) in northern Eurasia and the neighbouring Near Eastern regions: implications for breeding strategies and conservation. <i>Molecular Ecology</i> , 2007, 16, 3839-3853.	3.9	58
18	The Role of the Bovine Growth Hormone Receptor and Prolactin Receptor Genes in Milk, Fat and Protein Production in Finnish Ayrshire Dairy Cattle. <i>Genetics</i> , 2006, 173, 2151-2164.	2.9	154

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19	An intronic insertion in KPL2 results in aberrant splicing and causes the immotile short-tail sperm defect in the pig. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5006-5011.	7.1	93
20	Quantitative trait loci with parent-of-origin effects in chicken. <i>Genetical Research</i> , 2004, 84, 57-66.	0.9	78
21	Molecular Dissection of a Quantitative Trait Locus: A Phenylalanine-to-Tyrosine Substitution in the Transmembrane Domain of the Bovine Growth Hormone Receptor Is Associated With a Major Effect on Milk Yield and Composition. <i>Genetics</i> , 2003, 163, 253-266.	2.9	390
22	Mapping of an immotile short tail sperm defect in the Finnish Yorkshire on porcine Chromosome 16. <i>Mammalian Genome</i> , 2002, 13, 45-49.	2.2	18
23	Simultaneous Mining of Linkage and Linkage Disequilibrium to Fine Map Quantitative Trait Loci in Outbred Half-Sib Pedigrees: Revisiting the Location of a Quantitative Trait Locus With Major Effect on Milk Production on Bovine Chromosome 14. <i>Genetics</i> , 2002, 161, 275-287.	2.9	101
24	Quantitative trait loci affecting clinical mastitis and somatic cell count in dairy cattle. <i>Mammalian Genome</i> , 2001, 12, 837-842.	2.2	98
25	A quantitative trait locus for live weight maps to bovine Chromosome 23. <i>Mammalian Genome</i> , 1999, 10, 831-835.	2.2	39
26	SINE targeting of bovine microsatellites from bovine/rodent hybrid cell lines. <i>Mammalian Genome</i> , 1997, 8, 365-367.	2.2	6
27	Genetic polymorphism at RAPD loci in spring turnip rape (<i>Brassica rapa</i> ssp. <i>oleifera</i>). <i>Agricultural and Food Science</i> , 1993, 2, 303-310.	0.9	3
28	Analysis of mitochondrial ND4 gene DNA sequence in Finnish families with Leber hereditary optic neuroretinopathy. <i>Genomics</i> , 1990, 8, 583-585.	2.9	14
29	Mitochondrial DNA polymorphism in Finnish families with Leber's hereditary optic neuroretinopathy. <i>Human Genetics</i> , 1989, 82, 208-212.	3.8	17
30	Human mitochondrial DNA types in Finland. <i>Human Genetics</i> , 1988, 80, 317-321.	3.8	38