Johanna Vilkki

List of Publications by Year
in descending order

30	2,391	394421 19	454955 30
papers	citations	h-index	g-index

30	30	30	2934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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. Genetics, 2003, 163, 253-266.	2.9	390
2	Meta-analysis of genome-wide association studies for cattle stature identifies common genes that regulate body size in mammals. Nature Genetics, 2018, 50, 362-367.	21.4	286
3	A heritable subset of the core rumen microbiome dictates dairy cow productivity and emissions. Science Advances, 2019, 5, eaav8391.	10.3	218
4	Resolving the evolution of extant and extinct ruminants with high-throughput phylogenomics. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18644-18649.	7.1	196
5	The Role of the Bovine Growth Hormone Receptor and Prolactin Receptor Genes in Milk, Fat and Protein Production in Finnish Ayrshire Dairy Cattle. Genetics, 2006, 173, 2151-2164.	2.9	154
6	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. PLoS Genetics, 2014, 10, e1004049.	3.5	126
7	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. Genetics, 2002, 161, 275-287.	2.9	101
8	Quantitative trait loci affecting clinical mastitis and somatic cell count in dairy cattle. Mammalian Genome, 2001, 12, 837-842.	2.2	98
9	An intronic insertion in KPL2 results in aberrant splicing and causes the immotile short-tail sperm defect in the pig. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5006-5011.	7.1	93
10	Taxon abundance, diversity, co-occurrence and network analysis of the ruminal microbiota in response to dietary changes in dairy cows. PLoS ONE, 2017, 12, e0180260.	2.5	84
11	Effect of DNA extraction and sample preservation method on rumen bacterial population. Anaerobe, 2014, 29, 80-84.	2.1	81
12	Quantitative trait loci with parent-of-origin effects in chicken. Genetical Research, 2004, 84, 57-66.	0.9	78
13	Expression of SPEF2 During Mouse Spermatogenesis and Identification of IFT20 as an Interacting Protein1. Biology of Reproduction, 2010, 82, 580-590.	2.7	74
14	Oral Samples as Non-Invasive Proxies for Assessing the Composition of the Rumen Microbial Community. PLoS ONE, 2016, 11, e0151220.	2.5	70
15	The genetic structure of cattle populations (Bos taurus) in northern Eurasia and the neighbouring Near Eastern regions: implications for breeding strategies and conservation. Molecular Ecology, 2007, 16, 3839-3853.	3.9	58
16	A quantitative trait locus for live weight maps to bovine Chromosome 23. Mammalian Genome, 1999, 10, 831-835.	2.2	39
17	Human mitochondrial DNA types in Finland. Human Genetics, 1988, 80, 317-321.	3.8	38
18	Diet-induced milk fat depression is associated with alterations in ruminal biohydrogenation pathways and formation of novel fatty acid intermediates in lactating cows. British Journal of Nutrition, 2017, 117, 364-376.	2.3	31

#	Article	IF	Citations
19	Quantitative trait loci for growth and body size in the nineâ€spined stickleback <scp>P</scp>ungitius pungitius <scp>L.</scp>. Molecular Ecology, 2013, 22, 5861-5876.	3.9	29
20	QTL Analysis of Behavior in Nine-Spined Sticklebacks (Pungitius pungitius). Behavior Genetics, 2014, 44, 77-88.	2.1	19
21	Mapping of an immotile short tail sperm defect in the Finnish Yorkshire on porcine Chromosome 16. Mammalian Genome, 2002, 13, 45-49.	2.2	18
22	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. Journal of Dairy Science, 2018, 101, 7954-7970.	3.4	18
23	Genome-wide mapping of large deletions and their population-genetic properties in dairy cattle. DNA Research, 2018, 25, 49-59.	3.4	18
24	Mitochondrial DNA polymorphism in Finnish families with Leber's hereditary optic neuroretinopathy. Human Genetics, 1989, 82, 208-212.	3.8	17
25	The effect of dietary forage to concentrate ratio and forage type on milk fatty acid composition and milk fat globule size of lactating cows. Journal of Dairy Science, 2019, 102, 8825-8838.	3.4	17
26	Analysis of mitochondrial ND4 gene DNA sequence in Finnish families with Leber hereditary optic neuroretinopathy. Genomics, 1990, 8, 583-585.	2.9	14
27	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. Journal of Nutrition, 2016, 146, 976-985.	2.9	12
28	SINE targeting of bovine microsatellites from bovine/rodent hybrid cell lines. Mammalian Genome, 1997, 8, 365-367.	2.2	6
29	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. Journal of Archaeological Science: Reports, 2018, 18, 169-173.	0.5	5
30	Genetic polymorphism at RAPD loci in spring turnip rape (Brassica rapa ssp. oleifera). Agricultural and Food Science, 1993, 2, 303-310.	0.9	3