

# Jessica L Petersen

## List of Publications by Citations

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79  
papers

1,497  
citations

18  
h-index

37  
g-index

90  
ext. papers

2,111  
ext. citations

3.8  
avg. IF

4.21  
L-index

#	Paper	IF	Citations
79	Mutations in DMRT3 affect locomotion in horses and spinal circuit function in mice. <i>Nature</i> , <b>2012</b> , 488, 642-6	50.4	272
78	Genome-wide analysis reveals selection for important traits in domestic horse breeds. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003211	6	157
77	A high density SNP array for the domestic horse and extant Perissodactyla: utility for association mapping, genetic diversity, and phylogeny studies. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002451	6	156
76	Genetic diversity in the modern horse illustrated from genome-wide SNP data. <i>PLoS ONE</i> , <b>2013</b> , 8, e54997	3.7	140
75	Improved reference genome for the domestic horse increases assembly contiguity and composition. <i>Communications Biology</i> , <b>2018</b> , 1, 197	6.7	74
74	A major effect quantitative trait locus for whirling disease resistance identified in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Heredity</i> , <b>2011</b> , 106, 920-6	3.6	62
73	Introgressive Hybridization between Bighead Carp and Silver Carp in the Mississippi and Illinois Rivers. <i>North American Journal of Fisheries Management</i> , <b>2010</b> , 30, 1452-1461	1.1	53
72	GO-FAANG meeting: a Gathering On Functional Annotation of Animal Genomes. <i>Animal Genetics</i> , <b>2016</b> , 47, 528-33	2.5	37
71	Haplotype diversity in the equine myostatin gene with focus on variants associated with race distance propensity and muscle fiber type proportions. <i>Animal Genetics</i> , <b>2014</b> , 45, 827-35	2.5	37
70	A missense mutation in damage-specific DNA binding protein 2 is a genetic risk factor for limbal squamous cell carcinoma in horses. <i>International Journal of Cancer</i> , <b>2017</b> , 141, 342-353	7.5	33
69	The American Quarter Horse: population structure and relationship to the thoroughbred. <i>Journal of Heredity</i> , <b>2014</b> , 105, 148-62	2.4	26
68	ASAS-SSR Triennial Reproduction Symposium: Looking Back and Moving Forward-How Reproductive Physiology has Evolved: Fetal origins of impaired muscle growth and metabolic dysfunction: Lessons from the heat-stressed pregnant ewe. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 2987-3002	0.7	25
67	An application of MeSH enrichment analysis in livestock. <i>Animal Genetics</i> , <b>2015</b> , 46, 381-7	2.5	25
66	A first-generation linkage map of the Pacific lion-paw scallop ( <i>Nodipecten subnodosus</i> ): Initial evidence of QTL for size traits and markers linked to orange shell color. <i>Aquaculture</i> , <b>2012</b> , 350-353, 200-209	4.1	23
65	An induced mass spawn of the hermaphroditic lion-paw scallop, <i>Nodipecten subnodosus</i> : genetic assignment of maternal and paternal parentage. <i>Journal of Heredity</i> , <b>2008</b> , 99, 337-48	2.4	20
64	Ten years of the horse reference genome: insights into equine biology, domestication and population dynamics in the post-genome era. <i>Animal Genetics</i> , <b>2019</b> , 50, 569-597	2.5	19
63	Generation of an equine biobank to be used for Functional Annotation of Animal Genomes project. <i>Animal Genetics</i> , <b>2018</b> , 49, 564-570	2.5	19

62	Continuous chromosome-scale haplotypes assembled from a single interspecies F1 hybrid of yak and cattle. <i>GigaScience</i> , <b>2020</b> , 9,	7.6	18
61	Resolving Bovine viral diarrhea virus subtypes from persistently infected U.S. beef calves with complete genome sequence. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2016</b> , 28, 519-28	1.5	18
60	Evidence of positive selection for a glycogen synthase (GYS1) mutation in domestic horse populations. <i>Journal of Heredity</i> , <b>2014</b> , 105, 163-72	2.4	17
59	Nuclear and mtDNA lineage diversity in wild and cultured Pacific lion-paw scallop, (Baja California Peninsula, Mexico). <i>Marine Biology</i> , <b>2010</b> , 157, 2751-2767	2.5	15
58	Origin and conservation genetics of the threatened Ute ladiesTresses, <i>Spiranthes diluvialis</i> (Orchidaceae). <i>American Journal of Botany</i> , <b>2001</b> , 88, 177-180	2.7	15
57	Hypertrophic muscle growth and metabolic efficiency were impaired by chronic heat stress, improved by zilpaterol supplementation, and not affected by ractopamine supplementation in feedlot lambs <sup>1</sup> . <i>Journal of Animal Science</i> , <b>2019</b> , 97, 4101-4113	0.7	14
56	Functionally Annotating Regulatory Elements in the Equine Genome Using Histone Mark ChIP-Seq. <i>Genes</i> , <b>2019</b> , 11,	4.2	14
55	Characterization of 35 microsatellite loci in the Pacific lion-paw scallop ( <i>Nodipecten subnodosus</i> ) and their cross-species amplification in four other scallops of the Pectinidae family. <i>Molecular Ecology Notes</i> , <b>2006</b> , 6, 153-156		13
54	Genetic variation in the midcontinental population of sandhill cranes, <i>Grus canadensis</i> . <i>Biochemical Genetics</i> , <b>2003</b> , 41, 1-12	2.4	13
53	EquCab3, an Updated Reference Genome for the Domestic Horse		11
52	Real supermodels wear wool: summarizing the impact of the pregnant sheep as an animal model for adaptive fetal programming. <i>Animal Frontiers</i> , <b>2019</b> , 9, 34-43	5.5	10
51	Sustained maternal inflammation during the early third-trimester yields intrauterine growth restriction, impaired skeletal muscle glucose metabolism, and diminished Tcell function in fetal sheep <sup>1,2</sup> . <i>Journal of Animal Science</i> , <b>2019</b> , 97, 4822-4833	0.7	10
50	Characterization of 24 microsatellite loci in delta smelt, <i>Hypomesus transpacificus</i> , and their cross-species amplification in two other smelt species of the Osmeridae family. <i>Molecular Ecology Resources</i> , <b>2009</b> , 9, 405-8	8.4	10
49	Genetic diversity and relationships among native Japanese horse breeds, the Japanese Thoroughbred and horses outside of Japan using genome-wide SNP data. <i>Animal Genetics</i> , <b>2019</b> , 50, 449-459	2.5	9
48	Investigation of the skeletal muscle transcriptome in lambs fed βadrenergic agonists and subjected to heat stress for 21 d. <i>Translational Animal Science</i> , <b>2018</b> , 2, S53-S56	1.4	9
47	Sustained maternal inflammation during the early third trimester yields fetal adaptations that impair subsequent skeletal muscle growth and glucose metabolism in sheep. <i>Translational Animal Science</i> , <b>2018</b> , 2, S14-S18	1.4	9
46	Heat stress-induced deficits in growth, metabolic efficiency, and cardiovascular function coincided with chronic systemic inflammation and hypercatecholaminemia in ractopamine-supplemented feedlot lambs. <i>Journal of Animal Science</i> , <b>2020</b> , 98,	0.7	8
45	Long-term selection for litter size in swine results in shifts in allelic frequency in regions involved in reproductive processes. <i>Animal Genetics</i> , <b>2016</b> , 47, 534-42	2.5	8

44	Thirty-seven additional microsatellite loci in the Pacific lion-paw scallop ( <i>Nodipecten subnodosus</i> ) and cross-amplification in other pectinids. <i>Conservation Genetics Resources</i> , <b>2009</b> , 1, 101-105	0.8	7
43	Coding sequences of sarcoplasmic reticulum calcium ATPase regulatory peptides and expression of calcium regulatory genes in recurrent exertional rhabdomyolysis. <i>Journal of Veterinary Internal Medicine</i> , <b>2019</b> , 33, 933-941	3.1	5
42	DNA methylation aging and transcriptomic studies in horses.. <i>Nature Communications</i> , <b>2022</b> , 13, 40	17.4	5
41	Deficits in growth, muscle mass, and body composition following placental insufficiency-induced intrauterine growth restriction persisted in lambs at 60 d of age but were improved by daily clenbuterol supplementation. <i>Translational Animal Science</i> , <b>2020</b> , 4, S53-S57	1.4	5
40	DNA methylation aging and transcriptomic studies in horses		5
39	Evidence for a de novo, dominant germ-line mutation causative of osteogenesis imperfecta in two Red Angus calves. <i>Mammalian Genome</i> , <b>2019</b> , 30, 81-87	3.2	4
38	Upregulation of the type I interferon pathway in feedlot cattle persistently infected with bovine viral diarrhoea virus. <i>Virus Research</i> , <b>2020</b> , 278, 197862	6.4	4
37	Commercial genetic testing for type 2 polysaccharide storage myopathy and myofibrillar myopathy does not correspond to a histopathological diagnosis. <i>Equine Veterinary Journal</i> , <b>2021</b> , 53, 690-700	2.4	4
36	Maternofetal inflammation induced for 2 wk in late gestation reduced birth weight and impaired neonatal growth and skeletal muscle glucose metabolism in lambs. <i>Journal of Animal Science</i> , <b>2021</b> , 99,	0.7	4
35	Intermittent maternofetal O supplementation during late gestation rescues placental insufficiency-induced intrauterine growth restriction and metabolic pathologies in the neonatal lamb. <i>Translational Animal Science</i> , <b>2019</b> , 3, 1696-1700	1.4	4
34	Body composition estimated by bioelectrical impedance analyses is diminished by prenatal stress in neonatal lambs and by heat stress in feedlot wethers. <i>Translational Animal Science</i> , <b>2019</b> , 3, 1691-1695	1.4	4
33	Genomic comparisons of Persian Kurdish, Persian Arabian and American Thoroughbred horse populations. <i>PLoS ONE</i> , <b>2021</b> , 16, e0247123	3.7	4
32	Candidate gene expression and coding sequence variants in Warmblood horses with myofibrillar myopathy. <i>Equine Veterinary Journal</i> , <b>2021</b> , 53, 306-315	2.4	3
31	Rumen bacterial composition in lambs is affected by βadrenergic agonist supplementation and heat stress at the phylum level. <i>Translational Animal Science</i> , <b>2018</b> , 2, S145-S148	1.4	3
30	Prediction of histone post-translational modification patterns based on nascent transcription data.. <i>Nature Genetics</i> , <b>2022</b> ,	36.3	3
29	Preliminary heritability of complete rotation large colon volvulus in Thoroughbred broodmares. <i>Veterinary Record</i> , <b>2019</b> , 185, 269	0.9	2
28	Evaluation of genotype quality parameters for SowPro90, a new genotyping array for swine1. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 3262-3273	0.7	2
27	Mandibulofacial Dysostosis Attributed to a Recessive Mutation of in Hereford Cattle. <i>Genes</i> , <b>2020</b> , 11,	4.2	2

26	Accurate imputation of histone modifications using transcription		2
25	MC1R and KIT Haplotypes Associate With Pigmentation Phenotypes of North American Yak ( <i>Bos grunniens</i> ). <i>Journal of Heredity</i> , <b>2020</b> , 111, 182-193	2.4	2
24	Whole blood transcriptome analysis in feedlot cattle after 35 days of supplementation with a $\beta$ -adrenergic agonist. <i>Journal of Applied Genetics</i> , <b>2020</b> , 61, 117-121	2.5	2
23	Next-Generation Sequencing in Equine Genomics. <i>Veterinary Clinics of North America Equine Practice</i> , <b>2020</b> , 36, 195-209	1.9	2
22	Comparison of Poly-A Selection and rRNA Depletion in Detection of lncRNA in Two Equine Tissues Using RNA-seq. <i>Non-coding RNA</i> , <b>2020</b> , 6,	7.1	2
21	Maternal inflammation at 0.7 gestation in ewes leads to intrauterine growth restriction and impaired glucose metabolism in offspring at 30 d of age. <i>Translational Animal Science</i> , <b>2019</b> , 3, 1673-1677	1.4	2
20	Ractopamine HCl improved cardiac hypertrophy but not poor growth, metabolic inefficiency, or greater white blood cells associated with heat stress in concentrate-fed lambs. <i>Translational Animal Science</i> , <b>2019</b> , 3, 1786-1791	1.4	2
19	31 Building a functional annotation of the equine genome. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 16-17	0.7	1
18	Genome-wide SNP data show little differentiation between the Appaloosa and other American stock horse breeds. <i>Animal Genetics</i> , <b>2015</b> , 46, 585-6	2.5	1
17	Using triallelic SNPs for determining parentage in North American yak ( <i>Bos grunniens</i> ) and estimating cattle ( <i>B. taurus</i> ) introgression. <i>F1000Research</i> , <b>2020</b> , 9, 1096	3.6	1
16	Deficits in skeletal muscle glucose metabolism and whole-body oxidative metabolism in the intrauterine growth-restricted juvenile lamb are improved by daily treatment with clenbuterol. <i>Translational Animal Science</i> , <b>2021</b> , 5, S20-S24	1.4	1
15	Decreased fetal biometrics and impaired $\beta$ cell function in IUGR fetal sheep are improved by daily $\beta$ PUFA infusion. <i>Translational Animal Science</i> , <b>2021</b> , 5, S41-S45	1.4	1
14	Placental insufficiency improves when intrauterine growth-restricted fetal sheep are administered daily $\beta$ polyunsaturated fatty acid infusions. <i>Translational Animal Science</i> , <b>2021</b> , 5, S6-S10	1.4	1
13	Using triallelic SNPs for determining parentage in North American yak ( <i>Bos grunniens</i> ) and estimating cattle ( <i>B. taurus</i> ) introgression. <i>F1000Research</i> , <b>2020</b> , 9, 1096	3.6	1
12	Beta-adrenergic agonists increase maximal output of oxidative phosphorylation in bovine satellite cells. <i>Translational Animal Science</i> , <b>2020</b> , 4, S94-S97	1.4	1
11	"Adopt-a-Tissue" Initiative Advances Efforts to Identify Tissue-Specific Histone Marks in the Mare. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 649959	4.5	1
10	Effect of environmental temperature and $\beta$ adrenergic agonist supplementation on rumen volatile fatty acid production in sheep. <i>Translational Animal Science</i> , <b>2019</b> , 3, 1744-1748	1.4	1
9	Dexamethasone and fish oil improve average daily gain but not muscle mass or protein content in feedlot wethers after chronic heat stress. <i>Translational Animal Science</i> , <b>2021</b> , 5, S46-S50	1.4	0

8	Fish oil and dexamethasone administration partially mitigates heat stress-induced changes in circulating leukocytes and metabolic indicators in feedlot wethers. <i>Translational Animal Science</i> , <b>2021</b> , 5, S30-S33	1.4	○
7	Heat stress and β-adrenergic agonists alter the adipose transcriptome and fatty acid mobilization in ruminant livestock. <i>Translational Animal Science</i> , <b>2020</b> , 4, S141-S144	1.4	○
6	Generation of a Biobank From Two Adult Thoroughbred Stallions for the Functional Annotation of Animal Genomes Initiative. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 650305	4.5	○
5	Successful ATAC-Seq From Snap-Frozen Equine Tissues. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 641788	4.5	○
4	Whole-genome sequencing to investigate a possible genetic basis of perosomus elumbis in a calf resulting from a consanguineous mating. <i>Translational Animal Science</i> , <b>2021</b> , 5, S1-S5	1.4	
3	Beta-adrenergic agonists and heat stress impact skeletal muscle gene expression and mitochondrial function in beef cattle. <i>Translational Animal Science</i> , <b>2021</b> , 5, S164-S169	1.4	
2	Supplementing zilpaterol hydrochloride to heat-stressed beef cattle for 21 d alters the adipose transcriptome and is predicted to alter stress response pathways. <i>Translational Animal Science</i> , <b>2021</b> , 5, S56-S60	1.4	
1	Horse Breeding <b>2022</b> , 1-17		