

Jessica L Petersen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	DNA methylation aging and transcriptomic studies in horses.. <i>Nature Communications</i> , 2022 , 13, 40	17.4	5
78	Prediction of histone post-translational modification patterns based on nascent transcription data.. <i>Nature Genetics</i> , 2022 ,	36.3	3
77	Horse Breeding 2022 , 1-17		
76	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> , 2021 , 5, S20-S24	1.4	1
75	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> , 2021 , 5, S1-S5	1.4	
74	Beta-adrenergic agonists and heat stress impact skeletal muscle gene expression and mitochondrial function in beef cattle. <i>Translational Animal Science</i> , 2021 , 5, S164-S169	1.4	
73	Decreased fetal biometrics and impaired cell function in IUGR fetal sheep are improved by daily EB PUFA infusion. <i>Translational Animal Science</i> , 2021 , 5, S41-S45	1.4	1
72	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> , 2021 , 5, S46-S50	1.4	0
71	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> , 2021 , 5, S30-S33	1.4	0
70	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> , 2021 , 5, S56-S60	1.4	
69	Placental insufficiency improves when intrauterine growth-restricted fetal sheep are administered daily EB polyunsaturated fatty acid infusions. <i>Translational Animal Science</i> , 2021 , 5, S6-S10	1.4	1
68	Commercial genetic testing for type 2 polysaccharide storage myopathy and myofibrillar myopathy does not correspond to a histopathological diagnosis. <i>Equine Veterinary Journal</i> , 2021 , 53, 690-700	2.4	4
67	"Adopt-a-Tissue" Initiative Advances Efforts to Identify Tissue-Specific Histone Marks in the Mare. <i>Frontiers in Genetics</i> , 2021 , 12, 649959	4.5	1
66	Generation of a Biobank From Two Adult Thoroughbred Stallions for the Functional Annotation of Animal Genomes Initiative. <i>Frontiers in Genetics</i> , 2021 , 12, 650305	4.5	0
65	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> , 2021 , 99,	0.7	4
64	Successful ATAC-Seq From Snap-Frozen Equine Tissues. <i>Frontiers in Genetics</i> , 2021 , 12, 641788	4.5	0
63	Candidate gene expression and coding sequence variants in Warmblood horses with myofibrillar myopathy. <i>Equine Veterinary Journal</i> , 2021 , 53, 306-315	2.4	3

62	Genomic comparisons of Persian Kurdish, Persian Arabian and American Thoroughbred horse populations. <i>PLoS ONE</i> , 2021 , 16, e0247123	3.7	4
61	Mandibulofacial Dysostosis Attributed to a Recessive Mutation of in Hereford Cattle. <i>Genes</i> , 2020 , 11,	4.2	2
60	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> , 2020 , 98,	0.7	8
59	Upregulation of the type I interferon pathway in feedlot cattle persistently infected with bovine viral diarrhea virus. <i>Virus Research</i> , 2020 , 278, 197862	6.4	4
58	Continuous chromosome-scale haplotypes assembled from a single interspecies F1 hybrid of yak and cattle. <i>GigaScience</i> , 2020 , 9,	7.6	18
57	Using triallelic SNPs for determining parentage in North American yak () and estimating cattle () introgression. <i>F1000Research</i> , 2020 , 9, 1096	3.6	1
56	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> , 2020 , 9, 1096	3.6	1
55	Heat stress and β -adrenergic agonists alter the adipose transcriptome and fatty acid mobilization in ruminant livestock. <i>Translational Animal Science</i> , 2020 , 4, S141-S144	1.4	0
54	Beta-adrenergic agonists increase maximal output of oxidative phosphorylation in bovine satellite cells. <i>Translational Animal Science</i> , 2020 , 4, S94-S97	1.4	1
53	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> , 2020 , 4, S53-S57	1.4	5
52	MC1R and KIT Haplotypes Associate With Pigmentation Phenotypes of North American Yak (<i>Bos grunniens</i>). <i>Journal of Heredity</i> , 2020 , 111, 182-193	2.4	2
51	Whole blood transcriptome analysis in feedlot cattle after 35 days of supplementation with a β -adrenergic agonist. <i>Journal of Applied Genetics</i> , 2020 , 61, 117-121	2.5	2
50	Next-Generation Sequencing in Equine Genomics. <i>Veterinary Clinics of North America Equine Practice</i> , 2020 , 36, 195-209	1.9	2
49	Comparison of Poly-A Selection and rRNA Depletion in Detection of lncRNA in Two Equine Tissues Using RNA-seq. <i>Non-coding RNA</i> , 2020 , 6,	7.1	2
48	Preliminary heritability of complete rotation large colon volvulus in Thoroughbred broodmares. <i>Veterinary Record</i> , 2019 , 185, 269	0.9	2
47	31 Building a functional annotation of the equine genome. <i>Journal of Animal Science</i> , 2019 , 97, 16-17	0.7	1
46	Evaluation of genotype quality parameters for SowPro90, a new genotyping array for swine1. <i>Journal of Animal Science</i> , 2019 , 97, 3262-3273	0.7	2
45	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> , 2019 , 33, 933-941	3.1	5

44	Evidence for a de novo, dominant germ-line mutation causative of osteogenesis imperfecta in two Red Angus calves. <i>Mammalian Genome</i> , 2019 , 30, 81-87	3.2	4
43	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 ¹ . <i>Journal of Animal Science</i> , 2019 , 97, 4101-4113	0.7	14
42	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> , 2019 , 50, 449-459	2.5	9
41	Real supermodels wear wool: summarizing the impact of the pregnant sheep as an animal model for adaptive fetal programming. <i>Animal Frontiers</i> , 2019 , 9, 34-43	5.5	10
40	Ten years of the horse reference genome: insights into equine biology, domestication and population dynamics in the post-genome era. <i>Animal Genetics</i> , 2019 , 50, 569-597	2.5	19
39	Sustained maternal inflammation during the early third-trimester yields intrauterine growth restriction, impaired skeletal muscle glucose metabolism, and diminished T cell function in fetal sheep ^{1,2} . <i>Journal of Animal Science</i> , 2019 , 97, 4822-4833	0.7	10
38	Functionally Annotating Regulatory Elements in the Equine Genome Using Histone Mark CHIP-Seq. <i>Genes</i> , 2019 , 11,	4.2	14
37	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> , 2019 , 3, 1696-1700	1.4	4
36	Effect of environmental temperature and βadrenergic agonist supplementation on rumen volatile fatty acid production in sheep. <i>Translational Animal Science</i> , 2019 , 3, 1744-1748	1.4	1
35	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> , 2019 , 3, 1673-1677 ^{1,4}	1.4	2
34	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> , 2019 , 3, 1786-1791	1.4	2
33	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> , 2019 , 3, 1691-1695	1.4	4
32	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> , 2018 , 96, 2987-3002	0.7	25
31	Rumen bacterial composition in lambs is affected by βadrenergic agonist supplementation and heat stress at the phylum level. <i>Translational Animal Science</i> , 2018 , 2, S145-S148	1.4	3
30	Investigation of the skeletal muscle transcriptome in lambs fed βadrenergic agonists and subjected to heat stress for 21 d. <i>Translational Animal Science</i> , 2018 , 2, S53-S56	1.4	9
29	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> , 2018 , 2, S14-S18	1.4	9
28	Improved reference genome for the domestic horse increases assembly contiguity and composition. <i>Communications Biology</i> , 2018 , 1, 197	6.7	74
27	Generation of an equine biobank to be used for Functional Annotation of Animal Genomes project. <i>Animal Genetics</i> , 2018 , 49, 564-570	2.5	19

26	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> , 2017 , 141, 342-353	7.5	33
25	GO-FAANG meeting: a Gathering On Functional Annotation of Animal Genomes. <i>Animal Genetics</i> , 2016 , 47, 528-33	2.5	37
24	Resolving Bovine viral diarrhea virus subtypes from persistently infected U.S. beef calves with complete genome sequence. <i>Journal of Veterinary Diagnostic Investigation</i> , 2016 , 28, 519-28	1.5	18
23	Long-term selection for litter size in swine results in shifts in allelic frequency in regions involved in reproductive processes. <i>Animal Genetics</i> , 2016 , 47, 534-42	2.5	8
22	An application of MeSH enrichment analysis in livestock. <i>Animal Genetics</i> , 2015 , 46, 381-7	2.5	25
21	Genome-wide SNP data show little differentiation between the Appaloosa and other American stock horse breeds. <i>Animal Genetics</i> , 2015 , 46, 585-6	2.5	1
20	The American Quarter Horse: population structure and relationship to the thoroughbred. <i>Journal of Heredity</i> , 2014 , 105, 148-62	2.4	26
19	Evidence of positive selection for a glycogen synthase (GYS1) mutation in domestic horse populations. <i>Journal of Heredity</i> , 2014 , 105, 163-72	2.4	17
18	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> , 2014 , 45, 827-35	2.5	37
17	Genetic diversity in the modern horse illustrated from genome-wide SNP data. <i>PLoS ONE</i> , 2013 , 8, e54997	3.7	140
16	Genome-wide analysis reveals selection for important traits in domestic horse breeds. <i>PLoS Genetics</i> , 2013 , 9, e1003211	6	157
15	Mutations in DMRT3 affect locomotion in horses and spinal circuit function in mice. <i>Nature</i> , 2012 , 488, 642-6	50.4	272
14	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> , 2012 , 350-353, 200-209	4.4	23
13	A high density SNP array for the domestic horse and extant <i>Perissodactyla</i> : utility for association mapping, genetic diversity, and phylogeny studies. <i>PLoS Genetics</i> , 2012 , 8, e1002451	6	156
12	A major effect quantitative trait locus for whirling disease resistance identified in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Heredity</i> , 2011 , 106, 920-6	3.6	62
11	Introgressive Hybridization between Bighead Carp and Silver Carp in the Mississippi and Illinois Rivers. <i>North American Journal of Fisheries Management</i> , 2010 , 30, 1452-1461	1.1	53
10	Nuclear and mtDNA lineage diversity in wild and cultured Pacific lion-paw scallop, (Baja California Peninsula, Mexico). <i>Marine Biology</i> , 2010 , 157, 2751-2767	2.5	15
9	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> , 2009 , 1, 101-105	0.8	7

8	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> , 2009 , 9, 405-8	8.4	10
7	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> , 2008 , 99, 337-48	2.4	20
6	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> , 2006 , 6, 153-156		13
5	Genetic variation in the midcontinental population of sandhill cranes, <i>Grus canadensis</i> . <i>Biochemical Genetics</i> , 2003 , 41, 1-12	2.4	13
4	Origin and conservation genetics of the threatened Ute ladiesTresses, <i>Spiranthes diluvialis</i> (Orchidaceae). <i>American Journal of Botany</i> , 2001 , 88, 177-180	2.7	15
3	Accurate imputation of histone modifications using transcription		2
2	EquCab3, an Updated Reference Genome for the Domestic Horse		11
1	DNA methylation aging and transcriptomic studies in horses		5