

Sigrid A Lehnert

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9523124/publications.pdf>

Version: 2024-02-01

102
papers

3,893
citations

101535
36
h-index

133244
59
g-index

105
all docs

105
docs citations

105
times ranked

3397
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Wide Co-Expression Distributions as a Metric to Prioritize Genes of Functional Importance. <i>Genes</i> , 2020, 11, 1231.	2.4	1
2	In silico validation of pooled genotyping strategies for genomic evaluation in Angus cattle. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	3
3	Pooled genotyping strategies for the rapid construction of genomic reference populations1. <i>Journal of Animal Science</i> , 2019, 97, 4761-4769.	0.5	14
4	Neuropeptidome of the Hypothalamus and Pituitary Gland of Indicine Ã— Taurine Heifers: Evidence of Differential Neuropeptide Processing in the Pituitary Gland before and after Puberty. <i>Journal of Proteome Research</i> , 2018, 17, 1852-1865.	3.7	13
5	Weighting genomic and genealogical information for genetic parameter estimation and breeding value prediction in tropical beef cattle. <i>Journal of Animal Science</i> , 2018, 96, 612-617.	0.5	5
6	Candidate mutations used to aid the prediction of genetic merit for female reproductive traits in tropical beef cattle. <i>Revista Brasileira De Zootecnia</i> , 2018, 47, .	0.8	4
7	Pre- and post-puberty expression of genes and proteins in the uterus of <i>Bos indicus</i> heifers: the luteal phase effect post-puberty. <i>Animal Genetics</i> , 2018, 49, 539-549.	1.7	20
8	STAT6, PBX2, and PBRM1 Emerge as Predicted Regulators of 452 Differentially Expressed Genes Associated With Puberty in Brahman Heifers. <i>Frontiers in Genetics</i> , 2018, 9, 87.	2.3	34
9	Evaluation of nonadditive effects in yearling weight of tropical beef cattle1. <i>Journal of Animal Science</i> , 2018, 96, 4028-4034.	0.5	13
10	Estimating the genetic merit of sires by using pooled DNA from progeny of undetermined pedigree. <i>Genetics Selection Evolution</i> , 2017, 49, 28.	3.0	19
11	Evaluation of non-additive genetic variation in feed-related traits of broiler chickens. <i>Poultry Science</i> , 2017, 96, 754-763.	3.4	7
12	Genomic inbreeding depression for climatic adaptation of tropical beef cattle1. <i>Journal of Animal Science</i> , 2017, 95, 3809-3821.	0.5	23
13	Global differential gene expression in the pituitary gland and the ovaries of pre- and postpubertal Brahman heifers1. <i>Journal of Animal Science</i> , 2017, 95, 599-615.	0.5	27
14	The <i>Bos taurus</i> – <i>Bos indicus</i> balance in fertility and milk related genes. <i>PLoS ONE</i> , 2017, 12, e0181930.	2.5	33
15	Global differential gene expression in the pituitary gland and the ovaries of pre- and postpubertal Brahman heifers. <i>Journal of Animal Science</i> , 2017, 95, 599.	0.5	14
16	Genomic inbreeding depression for climatic adaptation of tropical beef cattle. <i>Journal of Animal Science</i> , 2017, 95, 3809.	0.5	21
17	P5060 The effect of selection over years on breed composition in tropical composite cattle.. <i>Journal of Animal Science</i> , 2016, 94, 144.	0.5	1
18	Candidate Gene Expression in <i>Bos indicus</i> Ovarian Tissues: Prepubertal and Postpubertal Heifers in Diestrus. <i>Frontiers in Veterinary Science</i> , 2016, 3, 94.	2.2	7

#	ARTICLE	IF	CITATIONS
19	P1012 Liver transcriptome from pre versus post-pubertal Brahman heifers. Journal of Animal Science, 2016, 94, 20-21.	0.5	2
20	Transcriptome analyses identify five transcription factors differentially expressed in the hypothalamus of post- versus prepubertal Brahman heifers ¹ . Journal of Animal Science, 2016, 94, 3693-3702.	0.5	27
21	Genomic analyses of tropical beef cattle fertility based on genotyping pools of Brahman cows with unknown pedigree ¹ . Journal of Animal Science, 2016, 94, 4096-4108.	0.5	29
22	Polymorphisms and genes associated with puberty in heifers. Theriogenology, 2016, 86, 333-339.	2.1	12
23	Genome-wide association for the outcome of fixed-time artificial insemination of Brahman heifers in northern Australia ¹ . Journal of Animal Science, 2015, 93, 5119-5127.	0.5	12
24	Prospecting major genes in dairy buffaloes. BMC Genomics, 2015, 16, 872.	2.8	97
25	The histone variant H2A.Z is dynamically expressed in the developing mouse placenta and in differentiating trophoblast stem cells. Placenta, 2015, 36, 1325-1328.	1.5	4
26	Genomic correlation: harnessing the benefit of combining two unrelated populations for genomic selection. Genetics Selection Evolution, 2015, 47, 84.	3.0	35
27	Low frequency of Y anomaly detected in Australian Brahman cow-herds. Meta Gene, 2015, 3, 59-61.	0.6	2
28	Non-synonymous mutations mapped to chromosome X associated with andrological and growth traits in beef cattle. BMC Genomics, 2015, 16, 384.	2.8	34
29	Multi-Tissue Omics Analyses Reveal Molecular Regulatory Networks for Puberty in Composite Beef Cattle. PLoS ONE, 2014, 9, e102551.	2.5	125
30	The Genetic Architecture of Climatic Adaptation of Tropical Cattle. PLoS ONE, 2014, 9, e113284.	2.5	128
31	Numerical analysis of intensity signals resulting from genotyping pooled DNA samples in beef cattle and broiler chicken ¹ . Journal of Animal Science, 2014, 92, 1874-1885.	0.5	9
32	Variation in genes involved in epigenetic processes offers insights into tropically adapted cattle diversity. Frontiers in Genetics, 2014, 5, 89.	2.3	1
33	Evidence for positive selection of taurine genes within a QTL region on chromosome X associated with testicular size in Australian Brahman cattle. BMC Genetics, 2014, 15, 6.	2.7	21
34	Post-partum anoestrus in tropical beef cattle: A systems approach combining gene expression and genome-wide association results. Livestock Science, 2014, 166, 158-166.	1.6	11
35	A marker-derived gene network reveals the regulatory role of PPARGC1A, HNF4G, and FOXP3 in intramuscular fat deposition of beef cattle ¹ . Journal of Animal Science, 2014, 92, 2832-2845.	0.5	77
36	Neuropeptidomics applied to studies of mammalian reproduction. Peptidomics, 2014, 1, .	0.3	4

#	ARTICLE	IF	CITATIONS
37	Evidence for pleiotropism and recent selection in the <i>PLAG1</i> region in Australian beef cattle. <i>Animal Genetics</i> , 2013, 44, 636-647.	1.7	96
38	Genomic regions associated with fertility traits in male and female cattle: Advances from microsatellites to high-density chips and beyond. <i>Animal Reproduction Science</i> , 2013, 141, 1-19.	1.5	46
39	Transplanted germ cells persist long-term in irradiated ram testes. <i>Animal Reproduction Science</i> , 2013, 142, 137-140.	1.5	11
40	Depletion of testis cell populations in pre-pubertal <i>Bos indicus</i> cattle by irradiation. <i>Animal Reproduction Science</i> , 2013, 141, 124-130.	1.5	4
41	Genome-wide association study for inhibin, luteinizing hormone, insulin-like growth factor 1, testicular size and semen traits in bovine species. <i>Andrology</i> , 2013, 1, 644-650.	3.5	89
42	Tubule detection in testis images using boundary weighting and circular shortest path. , 2013, 2013, 3319-22.		1
43	Global proteomic profiling of the membrane compartment of bovine testis cell populations. <i>Journal of Integrated OMICS</i> , 2013, 3, .	0.5	1
44	Genome-wide association studies of female reproduction in tropically adapted beef cattle1. <i>Journal of Animal Science</i> , 2012, 90, 1398-1410.	0.5	133
45	Candidate Genes Associated with Testicular Development, Sperm Quality, and Hormone Levels of Inhibin, Luteinizing Hormone, and Insulin-Like Growth Factor 1 in Brahman Bulls1. <i>Biology of Reproduction</i> , 2012, 87, 58.	2.7	79
46	Gene network analyses of first service conception in Brangus heifers: Use of genome and trait associations, hypothalamic-transcriptome information, and transcription factors1. <i>Journal of Animal Science</i> , 2012, 90, 2894-2906.	0.5	66
47	Finding genes for economically important traits: Brahman cattle puberty. <i>Animal Production Science</i> , 2012, 52, 143.	1.3	95
48	Neuropeptide profiling of the bovine hypothalamus: Thermal stabilization is an effective tool in inhibiting post-mortem degradation. <i>Proteomics</i> , 2011, 11, 1264-1276.	2.2	27
49	In Vitro Manipulation of Mammalian Preimplantation Embryos Can Alter Transcript Abundance of Histone Variants and Associated Factors. <i>Cellular Reprogramming</i> , 2011, 13, 391-401.	0.9	6
50	A single nucleotide polymorphism-derived regulatory gene network underlying puberty in 2 tropical breeds of beef cattle1. <i>Journal of Animal Science</i> , 2011, 89, 1669-1683.	0.5	90
51	Transcription profiling provides insights into gene pathways involved in horn and scurs development in cattle. <i>BMC Genomics</i> , 2010, 11, 370.	2.8	32
52	Expression of genes coding for histone variants and histone-associated proteins in pluripotent stem cells and mouse preimplantation embryos. <i>Gene Expression Patterns</i> , 2010, 10, 299-305.	0.8	28
53	Profiles of Gonadal Gene Expression in the Developing Bovine Embryo. <i>Sexual Development</i> , 2009, 3, 273-283.	2.0	21
54	Gene expression patterns during intramuscular fat development in cattle1. <i>Journal of Animal Science</i> , 2009, 87, 119-130.	0.5	161

#	ARTICLE	IF	CITATIONS
55	Role of calcium and vesicle-docking proteins in remobilising dormant neuromuscular junctions in desert frogs. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2008, 194, 27-37.	1.6	7
56	Epigenetic silencers are enriched in dormant desert frog muscle. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 729-734.	1.5	22
57	New insights into SRY regulation through identification of 5' conserved sequences. <i>BMC Molecular Biology</i> , 2008, 9, 85.	3.0	19
58	Proteomic analysis of bovine conceptus fluids during early pregnancy. <i>Proteomics</i> , 2008, 8, 160-177.	2.2	25
59	Differential proteomic analysis of bovine conceptus fluid proteins in pregnancies generated by assisted reproductive technologies. <i>Proteomics</i> , 2008, 8, 2967-2982.	2.2	12
60	Conceptus-related measurements during the first trimester of bovine pregnancy. <i>Veterinary Journal</i> , 2008, 175, 266-272.	1.7	29
61	Obese humans as economically designed feed converters: Symmorphosis and low oxidative capacity skeletal muscle. <i>Medical Hypotheses</i> , 2008, 70, 693-697.	1.5	7
62	Gene expression profiling of porcine peripheral blood leukocytes after infection with <i>Actinobacillus pleuropneumoniae</i> . <i>Veterinary Immunology and Immunopathology</i> , 2008, 121, 260-274.	1.2	13
63	Short-term maternal psychological stress in the post-conception period in ewes affects fetal growth and gestation length. <i>Reproduction</i> , 2008, 136, 259-265.	2.6	12
64	Dissection of beef quality phenotypes using a myogenin network-anchored systems biology approach. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 1053.	1.0	1
65	Recent advances in cattle functional genomics and their application to beef quality. <i>Animal</i> , 2007, 1, 159-173.	3.3	81
66	Universal reference method for real-time PCR gene expression analysis of preimplantation embryos. <i>BioTechniques</i> , 2007, 42, 199-206.	1.8	48
67	Gene expression studies of developing bovine longissimus muscle from two different beef cattle breeds. <i>BMC Developmental Biology</i> , 2007, 7, 95.	2.1	115
68	Skeletal muscle extracellular matrix remodelling after aestivation in the green striped burrowing frog, <i>Cyclorana alboguttata</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 146, 440-445.	1.8	8
69	P2-10 Short term psychological stress following conception alters ovine fetal development. <i>Early Human Development</i> , 2007, 83, S132.	1.8	0
70	Gene expression profiling of Hereford Shorthorn cattle following challenge with <i>Boophilus microplus</i> tick larvae. <i>Australian Journal of Experimental Agriculture</i> , 2007, 47, 1397.	1.0	48
71	PROTEOMIC ANALYSIS OF CONCEPTUS FLUID FROM BOVINE PREGNANCIES: A COMPARISON OF NATURALLY CONCEIVED, SCNT AND IVF SAMPLES COLLECTED AT DAY 45 OF GESTATION. <i>Biology of Reproduction</i> , 2007, 77, 229-230.	2.7	0
72	QTL detection of production traits for the Kuruma prawn <i>Penaeus japonicus</i> (Bate) using AFLP markers. <i>Aquaculture</i> , 2006, 258, 198-210.	3.5	37

#	ARTICLE	IF	CITATIONS
73	A gene coexpression network for bovine skeletal muscle inferred from microarray data. <i>Physiological Genomics</i> , 2006, 28, 76-83.	2.3	38
74	Gene expression profiling of bovine skeletal muscle in response to and during recovery from chronic and severe undernutrition ¹ . <i>Journal of Animal Science</i> , 2006, 84, 3239-3250.	0.5	60
75	Gene expression profiling of bovine in vitro adipogenesis using a cDNA microarray. <i>Functional and Integrative Genomics</i> , 2006, 6, 235-249.	3.5	53
76	Population genetic structure of the brown tiger prawn, <i>Penaeus esculentus</i> , in tropical northern Australia. <i>Marine Biology</i> , 2006, 148, 599-607.	1.5	13
77	Simultaneous identification of differential gene expression and connectivity in inflammation, adipogenesis and cancer. <i>Bioinformatics</i> , 2006, 22, 2396-2404.	4.1	66
78	Lessons from an estivating frog: sparing muscle protein despite starvation and disuse. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R836-R843.	1.8	35
79	Gene expression-based approaches to beef quality research. <i>Australian Journal of Experimental Agriculture</i> , 2006, 46, 165.	1.0	16
80	Gene expression profiling of muscle tissue in Brahman steers during nutritional restriction ¹ . <i>Journal of Animal Science</i> , 2005, 83, 1-12.	0.5	109
81	Transcriptional profiling of skeletal muscle tissue from two breeds of cattle. <i>Mammalian Genome</i> , 2005, 16, 201-210.	2.2	135
82	Transcriptional profiling of muscle tissue in growing Japanese Black cattle to identify genes involved with the development of intramuscular fat. <i>Australian Journal of Experimental Agriculture</i> , 2005, 45, 809.	1.0	37
83	Construction of gene interaction and regulatory networks in bovine skeletal muscle from expression data. <i>Australian Journal of Experimental Agriculture</i> , 2005, 45, 821.	1.0	12
84	Nutrition-Gene Interactions (Post-Genomics). , 2005, , 411-428.		0
85	Joint analysis of multiple cDNA microarray studies via multivariate mixed models applied to genetic improvement of beef cattle ¹ . <i>Journal of Animal Science</i> , 2004, 82, 3430-3439.	0.5	40
86	A mixed-model approach for the analysis of cDNA microarray gene expression data from extreme-performing pigs after infection with <i>Actinobacillus pleuropneumoniae</i> ¹ . <i>Journal of Animal Science</i> , 2004, 82, 1261-1271.	0.5	36
87	Development and application of a bovine cDNA microarray for expression profiling of muscle and adipose tissue. <i>Australian Journal of Experimental Agriculture</i> , 2004, 44, 1127.	1.0	39
88	Characterization of 23 Tri- and tetranucleotide Microsatellite Loci in the Brown Tiger Prawn, <i>Penaeus esculentus</i> . <i>Molecular Ecology Notes</i> , 2003, 3, 454-456.	1.7	5
89	Genetic mapping of the kuruma prawn <i>Penaeus japonicus</i> using AFLP markers. <i>Aquaculture</i> , 2003, 219, 143-156.	3.5	124
90	A mixture model-based cluster analysis of DNA microarray gene expression data on Brahman and Brahman composite steers fed high-, medium-, and low-quality diets ¹ . <i>Journal of Animal Science</i> , 2003, 81, 1900-1910.	0.5	47

#	ARTICLE	IF	CITATIONS
91	Development of polymorphic EST markers in <i>Penaeus monodon</i> : applications in penaeid genetics. <i>Aquaculture</i> , 2002, 208, 69-79.	3.5	17
92	Genetic mapping of the black tiger shrimp <i>Penaeus monodon</i> with amplified fragment length polymorphism. <i>Aquaculture</i> , 2002, 204, 297-309.	3.5	205
93	Expression of hemocyanin and digestive enzyme messenger RNAs in the hepatopancreas of the Black Tiger Shrimp <i>Penaeus monodon</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 133, 163-171.	1.6	66
94	Mapping of 12 bovine ribosomal protein genes using a bovine radiation hybrid panel. <i>Animal Genetics</i> , 2001, 32, 269-273.	1.7	16
95	Screening for intron-length polymorphisms in penaeid shrimps using exon-primed intron-crossing (EPIC)-PCR. <i>Molecular Ecology</i> , 2000, 9, 233-235.	3.9	57
96	The <i>Penaeus monodon</i> Chitinase 1 Gene Is Differentially Expressed in the Hepatopancreas During the Molt Cycle. <i>Marine Biotechnology</i> , 2000, 2, 126-135.	2.4	47
97	Tissue-Specific Expressed Sequence Tags from the Black Tiger Shrimp <i>Penaeus monodon</i> . <i>Marine Biotechnology</i> , 1999, 1, 465-476.	2.4	55
98	Isolation of a cDNA encoding a putative cellulase in the red claw crayfish <i>Cherax quadricarinatus</i> . <i>Gene</i> , 1999, 239, 317-324.	2.2	92
99	An engineered PGK promoter and lac operator-repressor system for the regulation of gene expression in mammalian cells. <i>Gene</i> , 1993, 130, 233-239.	2.2	20
100	The Role of TGF β in Mouse Development. <i>Annals of the New York Academy of Sciences</i> , 1990, 593, 259-271.	3.8	40
101	Transforming growth factor betas in mammalian embryogenesis. <i>Progress in Growth Factor Research</i> , 1990, 2, 153-168.	1.6	51
102	The role of transforming growth factor- β in mouse development and carcinogenesis. <i>Biochemical Society Transactions</i> , 1989, 17, 595-597.	3.4	1