

Susanne Ulbrich

List of Publications by Year in descending order

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88
papers

2,893
citations

172457

29
h-index

182427

51
g-index

90
all docs

90
docs citations

90
times ranked

3023
citing authors

#	ARTICLE	IF	CITATIONS
1	Normalization strategies for microRNA profiling experiments: a "normal" way to a hidden layer of complexity?. <i>Biotechnology Letters</i> , 2010, 32, 1777-1788.	2.2	190
2	Embryo-induced transcriptome changes in bovine endometrium reveal species-specific and common molecular markers of uterine receptivity. <i>Reproduction</i> , 2006, 132, 319-331.	2.6	185
3	The endometrium responds differently to cloned versus fertilized embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5681-5686.	7.1	177
4	Monozygotic Twin Model Reveals Novel Embryo-Induced Transcriptome Changes of Bovine Endometrium in the Preattachment Period. <i>Biology of Reproduction</i> , 2006, 74, 253-264.	2.7	146
5	Gene expression profiling of bovine endometrium during the oestrous cycle: detection of molecular pathways involved in functional changes. <i>Journal of Molecular Endocrinology</i> , 2005, 34, 889-908.	2.5	125
6	Monitoring gene expression changes in bovine oviduct epithelial cells during the oestrous cycle. <i>Journal of Molecular Endocrinology</i> , 2004, 32, 449-466.	2.5	108
7	Dynamic changes in messenger RNA profiles of bovine endometrium during the oestrous cycle. <i>Reproduction</i> , 2008, 135, 225-240.	2.6	105
8	Transcriptome Studies of Bovine Endometrium Reveal Molecular Profiles Characteristic for Specific Stages of Estrous Cycle and Early Pregnancy. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2008, 116, 371-384.	1.2	96
9	Expression and localization of estrogen receptor α , estrogen receptor β and progesterone receptor in the bovine oviduct in vivo and in vitro. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 84, 279-289.	2.5	94
10	Comparison of the Effects of Early Pregnancy with Human Interferon, Alpha 2 (IFNA2), on Gene Expression in Bovine Endometrium. <i>Biology of Reproduction</i> , 2012, 86, 46.	2.7	86
11	Quantitative characterization of prostaglandins in the uterus of early pregnant cattle. <i>Reproduction</i> , 2009, 138, 371-382.	2.6	84
12	A bovine oviduct epithelial cell suspension culture system suitable for studying embryo-maternal interactions: morphological and functional characterization. <i>Reproduction</i> , 2006, 132, 637-648.	2.6	82
13	Microarray Analysis of Equine Endometrium at Days 8 and 12 of Pregnancy. <i>Biology of Reproduction</i> , 2010, 83, 874-886.	2.7	81
14	Increase of essential amino acids in the bovine uterine lumen during preimplantation development. <i>Reproduction</i> , 2011, 141, 685-695.	2.6	81
15	Transcriptome Changes in the Porcine Endometrium During the Preattachment Phase. <i>Biology of Reproduction</i> , 2013, 89, 134.	2.7	67
16	Bovine endometrial metalloproteinases MMP14 and MMP2 and the metalloproteinase inhibitor TIMP2 participate in maternal preparation of pregnancy. <i>Molecular and Cellular Endocrinology</i> , 2011, 332, 48-57.	3.2	55
17	In vitro systems for intercepting early embryo-maternal cross-talk in the bovine oviduct. <i>Theriogenology</i> , 2010, 73, 802-816.	2.1	54
18	A differentially methylated single CpG-site is correlated with estrogen receptor alpha transcription. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 130, 96-104.	2.5	48

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19	Evidence for Estrogen-Dependent Uterine Serpin (SERPINA14) Expression During Estrus in the Bovine Endometrial Glandular Epithelium and Lumen. <i>Biology of Reproduction</i> , 2009, 81, 795-805.	2.7	46
20	Plasma progesterone concentrations in the mid-luteal phase are dependent on luteal size, but independent of luteal blood flow and gene expression in lactating dairy cows. <i>Animal Reproduction Science</i> , 2011, 125, 20-29.	1.5	46
21	Immunological mechanisms to establish embryo tolerance in early bovine pregnancy. <i>Reproduction, Fertility and Development</i> , 2011, 23, 619.	0.4	45
22	<i>Escherichia coli</i> lipopolysaccharide administration transiently suppresses luteal structure and function in diestrous cows. <i>Reproduction</i> , 2012, 144, 467-476.	2.6	40
23	Validation of extraction methods for total RNA and miRNA from bovine blood prior to quantitative gene expression analyses. <i>Biotechnology Letters</i> , 2010, 32, 35-44.	2.2	39
24	Cell type-specific analysis of transcriptome changes in the porcine endometrium on Day 12 of pregnancy. <i>BMC Genomics</i> , 2018, 19, 459.	2.8	38
25	Transcriptional profiling to address molecular determinants of endometrial receptivity – Lessons from studies in livestock species. <i>Methods</i> , 2013, 59, 108-115.	3.8	34
26	Enhanced proapoptotic gene expression of XAF1, CASP8 and TNFSF10 in the bovine endometrium during early pregnancy is not correlated with augmented apoptosis. <i>Placenta</i> , 2010, 31, 168-177.	1.5	33
27	Hyaluronan in the bovine oviduct – modulation of synthases and receptors during the estrous cycle. <i>Molecular and Cellular Endocrinology</i> , 2004, 214, 9-18.	3.2	32
28	Hepatic Methionine Homeostasis Is Conserved in C57BL/6N Mice on High-Fat Diet Despite Major Changes in Hepatic One-Carbon Metabolism. <i>PLoS ONE</i> , 2013, 8, e57387.	2.5	32
29	Can milk cell or skim milk miRNAs be used as biomarkers for early pregnancy detection in cattle?. <i>PLoS ONE</i> , 2017, 12, e0172220.	2.5	32
30	Low plasma progesterone concentrations are accompanied by reduced luteal blood flow and increased size of the dominant follicle in dairy cows. <i>Theriogenology</i> , 2011, 76, 12-22.	2.1	28
31	Spatial organization of endometrial gene expression at the onset of embryo attachment in pigs. <i>BMC Genomics</i> , 2019, 20, 895.	2.8	26
32	Annotation of the Domestic Pig Genome by Quantitative Proteogenomics. <i>Journal of Proteome Research</i> , 2017, 16, 2887-2898.	3.7	25
33	Region-specific expression of nitric oxide synthases in the bovine oviduct during the oestrous cycle and in vitro. <i>Journal of Endocrinology</i> , 2006, 188, 205-213.	2.6	23
34	In vivo oocyte developmental competence is reduced in lean but not in obese superovulated dairy cows after intraovarian administration of IGF1. <i>Reproduction</i> , 2011, 142, 41-52.	2.6	23
35	Reduced Amino Acids in the Bovine Uterine Lumen of Cloned versus <i>In Vitro</i> Fertilized Pregnancies Prior to Implantation. <i>Cellular Reprogramming</i> , 2011, 13, 403-410.	0.9	22
36	HOXA10 mRNA expression and promoter DNA methylation in female pig offspring after in utero estradiol-17 β exposure. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 435-444.	2.5	21

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37	Determining extracellular vesicles properties and miRNA cargo variability in bovine milk from healthy cows and cows undergoing subclinical mastitis. <i>BMC Genomics</i> , 2022, 23, 189.	2.8	20
38	Effects of a shortened preovulatory follicular phase on genital blood flow and endometrial hormone receptor concentrations in Holstein-Friesian cows. <i>Theriogenology</i> , 2010, 73, 242-249.	2.1	19
39	Gestational oral low-dose estradiol-17 β induces altered DNA methylation of CDKN2D and PSAT1 in embryos and adult offspring. <i>Scientific Reports</i> , 2018, 8, 7494.	3.3	19
40	Contribution of Ruminant Fungi, Archaea, Protozoa, and Bacteria to the Methane Suppression Caused by Oilseed Supplemented Diets. <i>Frontiers in Microbiology</i> , 2017, 8, 1864.	3.5	18
41	Is DNA methylation an epigenetic contribution to transcriptional regulation of the bovine endometrium during the estrous cycle and early pregnancy?. <i>Molecular and Cellular Endocrinology</i> , 2012, 348, 67-77.	3.2	17
42	Small RNA-seq analysis of single porcine blastocysts revealed that maternal estradiol-17 β exposure does not affect miRNA isoform (isomiR) expression. <i>BMC Genomics</i> , 2018, 19, 590.	2.8	17
43	Cell type-specific endometrial transcriptome changes during initial recognition of pregnancy in the mare. <i>Reproduction, Fertility and Development</i> , 2019, 31, 496.	0.4	17
44	Maternal low-dose estradiol-17 β exposure during pregnancy impairs postnatal progeny weight development and body composition. <i>Toxicology and Applied Pharmacology</i> , 2012, 263, 338-344.	2.8	16
45	Dexamethasone-induced Eosinopenia is Associated with Lower Progesterone Production in Cattle. <i>Reproduction in Domestic Animals</i> , 2013, 48, 137-148.	1.4	16
46	Modelling aspects of oviduct fluid formation in vitro. <i>Reproduction</i> , 2017, 153, 23-33.	2.6	15
47	Gene expression of bovine embryos developing at the air-liquid interface on oviductal epithelial cells (ALI-BOEC). <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 91.	3.3	15
48	Genital Blood Flow and Endometrial Gene Expression During the Preovulatory Period after Prostaglandin F ₂ ALPHA-Induced Luteolysis in Different Luteal Phases in Cows. <i>Journal of Reproduction and Development</i> , 2009, 55, 309-315.	1.4	14
49	Characterisation of steroid receptor expression in the human prostate carcinoma cell line 22RV1 and quantification of androgen effects on mRNA regulation of prostate-specific genes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004, 92, 187-197.	2.5	13
50	Tissue-Specific and Minor Inter-Individual Variation in Imprinting of IGF2R Is a Common Feature of <i>Bos taurus</i> Concepti and Not Correlated with Fetal Weight. <i>PLoS ONE</i> , 2013, 8, e59564.	2.5	13
51	Bovine embryo elongation is altered due to maternal fatty acid supplementation. <i>Biology of Reproduction</i> , 2018, 99, 600-610.	2.7	13
52	Mammalian Annotation Database for improved annotation and functional classification of Omics datasets from less well-annotated organisms. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	13
53	Transcriptome dynamics in early in vivo developing and in vitro produced porcine embryos. <i>BMC Genomics</i> , 2021, 22, 139.	2.8	12
54	Truncation of MIMT1 Gene in the PEG3 Domain Leads to Major Changes in Placental Gene Expression and Stillbirth in Cattle. <i>Biology of Reproduction</i> , 2012, 87, 140.	2.7	11

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55	Hosting the preimplantation embryo: potentials and limitations of different approaches for analysing embryo - endometrium interactions in cattle. <i>Reproduction, Fertility and Development</i> , 2013, 25, 62.	0.4	11
56	Epigenetic effects of prenatal estradiol-17 β exposure on the reproductive system of pigs. <i>Molecular and Cellular Endocrinology</i> , 2016, 430, 125-137.	3.2	11
57	Sex-specific effects of low-dose gestational estradiol-17 β exposure on bone development in porcine offspring. <i>Toxicology</i> , 2016, 366-367, 60-67.	4.2	11
58	Differential transcriptome dynamics during the onset of conceptus elongation and between female and male porcine embryos. <i>BMC Genomics</i> , 2019, 20, 679.	2.8	11
59	Do ovarian steroid hormones control the resumption of embryonic growth following the period of diapause in roe deer (<i>Capreolus capreolus</i>)?. <i>Reproductive Biology</i> , 2019, 19, 149-157.	1.9	10
60	Amino acids activate mTORC1 to release roe deer embryos from decelerated proliferation during diapause. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
61	A Single Glycine-Alanine Exchange Directs Ligand Specificity of the Elephant Progesterin Receptor. <i>PLoS ONE</i> , 2012, 7, e50350.	2.5	10
62	Influence of the farrowing process and different sow and piglet traits on uterine involution in a free farrowing system. <i>Theriogenology</i> , 2022, 182, 1-8.	2.1	10
63	Impact of preimplantational oral low-dose estradiol-17 β exposure on the endometrium: The role of miRNA. <i>Molecular Reproduction and Development</i> , 2018, 85, 417-426.	2.0	9
64	Vascular Endothelial Growth Factor A and VEGFR-1 Change during Preimplantation in Heifers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 544.	4.1	9
65	Progesterone profiling in plasma during the estrous cycle in cattle using an LC-MS based approach. <i>Theriogenology</i> , 2020, 142, 376-383.	2.1	7
66	RNAseq Analysis of the Bovine Endometrium Transcriptome During the Pre-Implantation Phase.. <i>Biology of Reproduction</i> , 2010, 83, 473-473.	2.7	7
67	Conjugated estrogens in the endometrium during the estrous cycle in pigs. <i>Reproductive Biology</i> , 2018, 18, 336-343.	1.9	5
68	Endometrial luminal epithelial cells sense embryo elongation in the roe deer independent of interferon-tau. <i>Biology of Reproduction</i> , 2019, 101, 882-892.	2.7	5
69	Initiation of Conceptus Elongation Coincides with an Endometrium Basic Fibroblast Growth Factor (FGF2) Protein Increase in Heifers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1584.	4.1	5
70	Inflammatory Response of Primary Cultured Bovine Mammary Epithelial Cells to <i>Staphylococcus aureus</i> Extracellular Vesicles. <i>Biology</i> , 2022, 11, 415.	2.8	5
71	Comparison of six breast cancer classifiers using qPCR. <i>Bioinformatics</i> , 2019, 35, 3412-3420.	4.1	4
72	Effect of immune modulators on in vitro activation and proliferation of peripheral blood mononuclear cells from multiparous Holstein cows peripartum. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1515-1520.	2.2	3

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73	Partitioning of Rumen-Protected and Fatty Acids is Organ-Specific in Growing Angus Heifers. <i>Lipids</i> , 2019, 54, 503-517.	1.7	3
74	MicroRNA of whole milk samples are not suitable for pregnancy detection in cattle. <i>Gene</i> , 2019, 692, 17-21.	2.2	3
75	Mitochondrial DNA Depletion in Granulosa Cell Derived Nuclear Transfer Tissues. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 664099.	3.7	3
76	Progestogen Profiling Over the Course of Diapause and Resumption of Embryo Development in the European Roe Deer. <i>SciMedicine Journal</i> , 2019, 1, 158-167.	0.7	3
77	Preferential Partitioning of Rumen-Protected and Fatty Acids into Functionally Different Adipose Tissues. <i>Lipids</i> , 2020, 55, 239-250.	1.7	2
78	Inhibition of lipopolysaccharide-induced suppression of luteal function in isolated perfused bovine ovaries. <i>Journal of Reproduction and Development</i> , 2022, 68, 45-52.	1.4	2
79	Exploring the social network of European roe deer (<i>Capreolus capreolus</i>) in captivity. <i>Applied Animal Behaviour Science</i> , 2022, 246, 105526.	1.9	2
80	Luminal and Glandular Epithelial Cells from the Porcine Endometrium maintain Cell Type-Specific Marker Gene Expression in Air-Liquid Interface Culture. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 2928-2938.	3.8	2
81	Exposure of pregnant sows to low doses of estradiol-17 β impacts on the transcriptome of the endometrium and the female preimplantation embryos. <i>Biology of Reproduction</i> , 2019, 100, 624-640.	2.7	1
82	Alpine and lowland grazing differentially alter the reproductive tract redox milieu and amino acid composition in cattle. <i>Animal Reproduction Science</i> , 2020, 213, 106268.	1.5	1
83	Embryonic diapause in mammals and dormancy in embryonic stem cells with the European roe deer as experimental model. <i>Reproduction, Fertility and Development</i> , 2021, 33, 76.	0.4	1
84	In vivo oocyte developmental competence is reduced in lean but not in obese superovulated dairy cows after intraovarian administration of IGF1. <i>Reproduction</i> , 2011, 142, 487.	2.6	0
85	Enhancing knowledge exchange and performance recording through use of short messaging service in smallholder dairy farming systems in Malawi. <i>Cogent Food and Agriculture</i> , 2020, 6, 1801214.	1.4	0
86	Effects of intravenous infusion of E.coli lipopolysaccharide in early pregnant cows. <i>Reproduction</i> , 2018, 157, 65-76.	2.6	0
87	Blastocysts depict sex-specific signalling of IFNT transcription, translation and activity. <i>Reproduction</i> , 2018, 157, 245-258.	2.6	0
88	Moderate differences in plasma leptin in mares have no effect on either the amino acid or the fatty acid composition of the uterine fluid. <i>Journal of Equine Veterinary Science</i> , 2021, , 103827.	0.9	0