Peter Hansen

List of Publications by Year
in descending order

373 papers	15,353 citations	15504 65 h-index	33894 99 g-index
390 all docs	390 docs citations	390 times ranked	7028 citing authors

#	Article	IF	Citations
1	Effects of heat stress on mammalian reproduction. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 3341-3350.	4.0	495
2	Physiological and cellular adaptations of zebu cattle to thermal stress. Animal Reproduction Science, 2004, 82-83, 349-360.	1.5	452
3	Is the temperature-humidity index the best indicator of heat stress in lactating dairy cows in a subtropical environment?. Journal of Dairy Science, 2009, 92, 109-116.	3.4	399
4	Developmental Changes in Embryonic Resistance to Adverse Effects of Maternal Heat Stress in Cows. Journal of Dairy Science, 1993, 76, 2899-2905.	3.4	275
5	Fertilizing Capacity of Bovine Sperm may be Maintained by Binding to Oviductal Epithelial Cells1. Biology of Reproduction, 1991, 44, 102-107.	2.7	267
6	Differential responses of bovine oocytes and preimplantation embryos to heat shock. Molecular Reproduction and Development, 1997, 46, 138-145.	2.0	249
7	Progesterone During Pregnancy: Endocrineâ€"Immune Cross Talk in Mammalian Species and the Role of Stress. American Journal of Reproductive Immunology, 2007, 58, 268-279.	1.2	217
8	Effect of Season and Exposure to Heat Stress on Oocyte Competence in Holstein Cows. Journal of Dairy Science, 2002, 85, 390-396.	3.4	195
9	Disruption of nuclear maturation and rearrangement of cytoskeletal elements in bovine oocytes exposed to heat shock during maturation. Reproduction, 2005, 129, 235-244.	2.6	186
10	Involvement of Apoptosis in Disruption of Developmental Competence of Bovine Oocytes by Heat Shock During Maturation1. Biology of Reproduction, 2004, 71, 1898-1906.	2.7	173
11	Elevated Temperature Increases Heat Shock Protein 70 Synthesis in Bovine Two-Cell Embryos and Compromises Function of Maturing Oocytes1. Biology of Reproduction, 1996, 55, 340-346.	2.7	152
12	Adverse impact of heat stress on embryo production: causes and strategies for mitigation. Theriogenology, 2001, 55, 91-103.	2.1	149
13	Heat Shock-Induced Apoptosis in Preimplantation Bovine Embryos Is a Developmentally Regulated Phenomenon1. Biology of Reproduction, 2002, 66, 1169-1177.	2.7	148
14	Exploitation of genetic and physiological determinants of embryonic resistance to elevated temperature to improve embryonic survival in dairy cattle during heat stress. Theriogenology, 2007, 68, S242-S249.	2.1	144
15	Factors Affecting Seasonal Variation in 90-Day Nonreturn Rate To First Service in Lactating Holstein Cows in a Hot Climate. Journal of Dairy Science, 1999, 82, 2611-2616.	3.4	140
16	Discovery of single nucleotide polymorphisms in candidate genes associated with fertility and production traits in Holstein cattle. BMC Genetics, 2013, 14, 49.	2.7	140
17	Colony-Stimulating Factor 2 (CSF-2) Improves Development and Posttransfer Survival of Bovine Embryos Produced in Vitro. Endocrinology, 2009, 150, 5046-5054.	2.8	131
18	Mastitis and Fertility in Cattle - Possible Involvement of Inflammation or Immune Activation in Embryonic Mortality*. American Journal of Reproductive Immunology, 2004, 51, 294-301.	1.2	130

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19	Differences in Thermoregulatory Ability Between Slick-Haired and Wild-Type Lactating Holstein Cows in Response to Acute Heat Stress. Journal of Dairy Science, 2008, 91, 3395-3402.	3.4	128
20	Effects of Dietary Unsaturated Fatty Acids on Oocyte Quality and Follicular Development in Lactating Dairy Cows in Summer. Journal of Dairy Science, 2006, 89, 3891-3903.	3.4	123
21	Identification of Possible Mediators of Embryonic Mortality Caused by Mastitis: Actions of Lipopolysaccharide, Prostaglandin F2alpha, and the Nitric Oxide Generator, Sodium Nitroprusside Dihydrate, on Oocyte Maturation and Embryonic Development in Cattle. American Journal of Reproductive Immunology, 2003, 50, 263-272.	1.2	120
22	Extension of Corpus Luteum Lifespan and Reduction of Uterine Secretion of Prostaglandin F2 of Cows in Response to Recombinant Interferon-Ï„. Journal of Dairy Science, 1995, 78, 1921-1931.	3.4	119
23	Chromosomal abnormalities in bovine embryos and their influence on development. Biology of Reproduction, 1996, 54, 53-59.	2.7	113
24	The SLICK hair locus derived from Senepol cattle confers thermotolerance to intensively managed lactating Holstein cows. Journal of Dairy Science, 2014, 97, 5508-5520.	3.4	112
25	Strategies for managing reproduction in the heat-stressed dairy cow. Journal of Animal Science, 1997, 77, 36.	0.5	110
26	Genetic divergence in cellular resistance to heat shock in cattle: differences between breeds developed in temperate versus hot climates in responses of preimplantation embryos, reproductive tract tissues and lymphocytes to increased culture temperatures. Reproduction, 2003, 125, 285-294.	2.6	106
27	Effects of Timed Insemination and Supplemental Î²-Carotene on Reproduction and Milk Yield of Dairy Cows Under Heat Stress. Journal of Dairy Science, 1998, 81, 390-402.	3.4	103
28	Characteristics of the Estrous Cycle and Antioxidant Status of Lactating Holstein Cows Exposed to Heat Stress. Journal of Dairy Science, 1998, 81, 1244-1250.	3.4	101
29	Responses of bovine lymphocytes to heat shock as modified by breed and antioxidant status. Journal of Animal Science, 1994, 72, 438-444.	0.5	100
30	Regulation of uterine immune function by progesteroneâ€"lessons from the sheep. Journal of Reproductive Immunology, 1998, 40, 63-79.	1.9	99
31	Granulocyte-Macrophage Colony-Stimulating Factor Promotes Development of in Vitro Produced Bovine Embryos1. Biology of Reproduction, 1997, 57, 1060-1065.	2.7	97
32	Efficacy of Timed Embryo Transfer with Fresh and Frozen In Vitro Produced Embryos to Increase Pregnancy Rates in Heat-Stressed Dairy Cattle. Journal of Dairy Science, 1999, 82, 2369-2376.	3.4	96
33	Dynamics of DNA Methylation during Early Development of the Preimplantation Bovine Embryo. PLoS ONE, 2013, 8, e66230.	2.5	96
34	Heat Stress-Induced Alterations in the Synthesis and Secretion of Proteins and Prostaglandins by Cultured Bovine Conceptuses and Uterine Endometrium1. Biology of Reproduction, 1988, 39, 717-728.	2.7	95
35	The WNT signaling antagonist Dickkopfâ€1 directs lineage commitment and promotes survival of the preimplantation embryo. FASEB Journal, 2014, 28, 3975-3986.	0.5	92
36	Interactions of Heat Stress and Bovine Somatotropin Affecting Physiology and Immunology of Lactating Cows. Journal of Dairy Science, 1992, 75, 449-462.	3.4	91

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37	Uterine influences on conceptus development in fertility-classified animals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1749-E1758.	7.1	90
38	Actions of Tumor Necrosis Factor-alpha on Oocyte Maturation and Embryonic Development in Cattle1. American Journal of Reproductive Immunology, 2003, 50, 380-388.	1.2	89
39	Effects of growth hormone and insulin-like growth factor-I on development of in vitro derived bovine embryos. Theriogenology, 2002, 57, 895-907.	2.1	88
40	Consequences of physiological heat shock beginning at the zygote stage on embryonic development and expression of stress response genes in cattle. Journal of Dairy Science, 2012, 95, 3080-3091.	3.4	88
41	Genome-Wide Association Mapping for Identification of Quantitative Trait Loci for Rectal Temperature during Heat Stress in Holstein Cattle. PLoS ONE, 2013, 8, e69202.	2.5	86
42	Heritability of rectal temperature and genetic correlations with production and reproduction traits in dairy cattle. Journal of Dairy Science, 2012, 95, 3401-3405.	3.4	84
43	Insulin-like Growth Factor-I as a Survival Factor for the Bovine Preimplantation Embryo Exposed to Heat Shock1. Biology of Reproduction, 2004, 71, 1665-1670.	2.7	83
44	Effects of lactation and pregnancy on gene expression of endometrium of Holstein cows at day 17 of the estrous cycle or pregnancy. Journal of Dairy Science, 2012, 95, 5657-5675.	3.4	83
45	Apoptosis is an adaptive response in bovine preimplantation embryos that facilitates survival after heat shock. Biochemical and Biophysical Research Communications, 2002, 295, 37-42.	2.1	82
46	Towards an embryocentric world: the current and potential uses of embryo technologies in dairy production. Reproduction, Fertility and Development, 2004, 16, 1.	0.4	82
47	Fibroblast growth factor 10 enhances bovine oocyte maturation and developmental competence in vitro. Reproduction, 2010, 140, 815-826.	2.6	82
48	Insulin-like growth factor-I promotes resistance of bovine preimplantation embryos to heat shock through actions independent of its anti-apoptotic actions requiring PI3K signaling. Molecular Reproduction and Development, 2007, 74, 189-196.	2.0	81
49	Fibroblast growth factor requirements for in vitro development of bovine embryos. Theriogenology, 2011, 75, 1466-1475.	2.1	80
50	Global gene expression of the inner cell mass and trophectoderm of the bovine blastocyst. BMC Developmental Biology, 2012, 12, 33.	2.1	79
51	Canonical WNT signaling regulates development of bovine embryos to the blastocyst stage. Scientific Reports, 2013, 3, 1266.	3.3	77
52	Evidence That Glutathione is Involved in Thermotolerance Of Preimplantation Murine Embryos1. Biology of Reproduction, 1995, 52, 1296-1301.	2.7	76
53	Developmental changes in sensitivity of bovine embryos to heat shock and use of antioxidants as thermoprotectants2. Journal of Animal Science, 1995, 73, 1401-1407.	0.5	75
54	Ontogeny of temperature-regulated heat shock protein 70 synthesis in preimplantation bovine embryos. Molecular Reproduction and Development, 1997, 48, 25-33.	2.0	74

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55	Sphingosine 1-Phosphate Protects Bovine Oocytes from Heat Shock During Maturation1. Biology of Reproduction, 2004, 71, 2072-2078.	2.7	74
56	To be or not to beâ€"Determinants of embryonic survival following heat shock. Theriogenology, 2007, 68, S40-S48.	2.1	74
57	Skin Graft Survival in the Uterine Lumen of Ewes Treated With Progesterone. American Journal of Reproductive Immunology and Microbiology: AJRIM, 1986, 12, 48-54.	1.4	72
58	Purification, Secretion and Immunocytochemical Localization of the Uterine Milk Proteins, Major Progesterone-Induced Proteins in Uterine Secretions of the Sheep1. Biology of Reproduction, 1987, 36, 419-430.	2.7	72
59	Regulation of Preimplantation Development of Bovine Embryos by Interleukin-1Î²1. Biology of Reproduction, 1998, 59, 1406-1412.	2.7	71
60	Embryonic mortality in cattle from the embryo's perspective. Journal of Animal Science, 2002, 80, E33-E44.	0.5	69
61	Immunolocalization of heat shock protein 70 in bovine spermatozoa. Andrologia, 2004, 36, 327-334.	2.1	69
62	Deviations in populations of peripheral blood mononuclear cells and endometrial macrophages in the cow during pregnancy. Reproduction, 2008, 136, 481-490.	2.6	69
63	Use of insulin-like growth factor-I during embryo culture and treatment of recipients with gonadotropin-releasing hormone to increase pregnancy rates following the transfer of in vitro-produced embryos to heat-stressed, lactating cows. Journal of Animal Science, 2003, 81, 1590.	0.5	69
64	Follicular fluid exosomes act on the bovine oocyte to improve oocyte competence to support development and survival to heat shock. Reproduction, Fertility and Development, 2019, 31, 888.	0.4	68
65	Effect of injection of Î²-carotene or vitamin E and selenium on fertility of lactating dairy cows. Theriogenology, 1998, 50, 65-76.	2.1	67
66	Expression of major histocompatibility complex antigens on the bovine placenta. Reproduction, 1990, 90, 235-243.	2.6	65
67	Interaction between season and culture with insulin-like growth factor-1 on survival of in vitro produced embryos following transfer to lactating dairy cows. Theriogenology, 2007, 67, 1518-1529.	2.1	65
68	The Immunology of Early Pregnancy in Farm Animals. Reproduction in Domestic Animals, 2011, 46, 18-30.	1.4	65
69	Global assessment of imprinted gene expression in the bovine conceptus by next generation sequencing. Epigenetics, 2016, 11, 501-516.	2.7	65
70	Reproductive physiology of the heat-stressed dairy cow: implications for fertility and assisted reproduction. Animal Reproduction, 2019, 16, 497-507.	1.0	65
71	Galectin 15 (LGALS15) functions in trophectoderm migration and attachment. FASEB Journal, 2008, 22, 548-560.	0.5	63
72	Influence of Season on Sexual Development in Heifers: Age at Puberty as Related to Growth and Serum Concentrations of Gonadotropins, Prolactin, Thyroxine and Progesterone. Biology of Reproduction, 1983, 28, 329-341.	2.7	62

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73	PROLONGATION OF LUTEAL LIFESPAN IN COWS BY INTRAUTERINE INFUSION OF RECOMBINANT BOVINE ALPHA-INTERFERON. Endocrinology, 1988, 122, 2342-2344.	2.8	61
74	Differentiation of the Endometrial Macrophage during Pregnancy in the Cow. PLoS ONE, 2010, 5, e13213.	2.5	61
75	Realizing the promise of IVF in cattleâ€"an overview. Theriogenology, 2006, 65, 119-125.	2.1	60
76	The incompletely fulfilled promise of embryo transfer in cattleâ€"why arenâ€™t pregnancy rates greater and what can we do about it?. Journal of Animal Science, 2020, 98, .	0.5	60
77	Presence of an intracellular endometrial inhibitor of prostaglandin synthesis duing early pregnancy in the cow. Prostaglandins, 1988, 35, 359-378.	1.2	58
78	Differences in Heat Tolerance Between Preimplantation Embryos from Brahman, Romosinuano, and Angus Breeds. Journal of Dairy Science, 2004, 87, 53-58.	3.4	58
79	Efficacy of embryo transfer in lactating dairy cows during summer using fresh or vitrified embryos produced in vitro with sex-sorted semen. Journal of Dairy Science, 2011, 94, 3437-3445.	3.4	57
80	Use of single nucleotide polymorphisms in candidate genes associated with daughter pregnancy rate for prediction of genetic merit for reproduction in Holstein cows. Animal Genetics, 2016, 47, 288-297.	1.7	57
81	Disruption of Bovine Oocytes and Preimplantation Embryos by Urea and Acidic pH. Journal of Dairy Science, 2003, 86, 1194-1200.	3.4	56
82	Deleterious Actions of Gossypol on Bovine Spermatozoa, Oocytes, and Embryos1. Biology of Reproduction, 1997, 57, 901-907.	2.7	55
83	Transcriptional Control of Development, Protein Synthesis, and Heat-Induced Heat Shock Protein 70 Synthesis in 2-Cell Bovine Embryos1. Biology of Reproduction, 1999, 61, 1644-1648.	2.7	54
84	Developmental changes in inhibitory effects of arsenic and heat shock on growth of pre-implantation bovine embryos. Molecular Reproduction and Development, 2002, 63, 335-340.	2.0	54
85	Transrectal ultrasonography and plasma progestin profiles identifies feto-placental compromise in mares with experimentally induced placentitis. Theriogenology, 2007, 67, 681-691.	2.1	54
86	Photoperiod Influences Age at Puberty of Heifers1. Journal of Animal Science, 1983, 57, 985-992.	0.5	53
87	Identification of potential embryokines in the bovine reproductive tract. Journal of Dairy Science, 2018, 101, 690-704.	3.4	53
88	Localization of granulocyte-macrophage colony-stimulating factor in the bovine reproductive tract. Journal of Reproductive Immunology, 1999, 42, 135-145.	1.9	52
89	Alterations in Ultrastructural Morphology of Two-Cell Bovine Embryos Produced In Vitro and In Vivo Following a Physiologically Relevant Heat Shock1. Biology of Reproduction, 2003, 69, 2068-2077.	2.7	52
90	Sex and the preimplantation embryo: implications of sexual dimorphism in the preimplantation period for maternal programming of embryonic development. Cell and Tissue Research, 2016, 363, 237-247.	2.9	52

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91	Inhibition of lymphocyte proliferation by bovine trophoblast protein-1 (Type I trophoblast interferon) and bovine interferon-î±I1. Veterinary Immunology and Immunopathology, 1992, 34, 81-96.	1.2	51
92	Effectiveness of Short-Term Cooling and Vitamin E for Alleviation of Infertility Induced by Heat Stress in Dairy Cows. Journal of Dairy Science, 1994, 77, 3601-3607.	3.4	51
93	Effect of addition of hyaluronan to embryo culture medium on survival of bovine embryos in vitro following vitrification and establishment of pregnancy after transfer to recipients. Theriogenology, 2009, 71, 1063-1071.	2.1	51
94	Developmental Changes in Expression of Genes Involved in Regulation of Apoptosis in the Bovine Preimplantation Embryo1. Biology of Reproduction, 2011, 84, 43-51.	2.7	51
95	Effects of insulinâ€like growth factorâ€1 on cellular and molecular characteristics of bovine blastocysts produced in vitro. Molecular Reproduction and Development, 2008, 75, 895-903.	2.0	50
96	Influence of sire and sire breed (Gyr versus Holstein) on establishment of pregnancy and embryonic loss in lactating Holstein cows during summer heat stress. Theriogenology, 2007, 67, 692-697.	2.1	49
97	Single-cell gene expression of the bovine blastocyst. Reproduction, 2017, 154, 627-644.	2.6	49
98	Current and Future Assisted Reproductive Technologies for Mammalian Farm Animals. Advances in Experimental Medicine and Biology, 2014, 752, 1-22.	1.6	48
99	Consequences of transfer of an in vitro-produced embryo for the dam and resultant calf. Journal of Dairy Science, 2014, 97, 229-239.	3.4	48
100	Effect of prepartum injection of vitamin E and selenium on postpartum reproductive function of dairy cattle. Theriogenology, 1994, 41, 1251-1258.	2.1	47
101	Improving post-transfer survival of bovine embryos produced in vitro: Actions of insulin-like growth factor-1, colony stimulating factor-2 and hyaluronan. Theriogenology, 2011, 76, 1602-1609.	2.1	47
102	Effects of coat colour on physiological responses to solar radiation in Holsteins. Veterinary Record, 1990, 127, 333-4.	0.3	47
103	Actions of Steroids and Prostaglandins Secreted by the Placenta and Uterus of the Cow and Ewe on Lymphocyte Proliferation In Vitro. American Journal of Reproductive Immunology and Microbiology: AJRIM, 1988, 18, 71-75.	1.4	46
104	Loci and pathways associated with uterine capacity for pregnancy and fertility in beef cattle. PLoS ONE, 2017, 12, e0188997.	2.5	46
105	Postnatal phenotype of dairy cows is altered by in vitro embryo production using reverse X-sorted semen. Journal of Dairy Science, 2017, 100, 5899-5908.	3.4	45
106	Convergent Evolution of Slick Coat in Cattle through Truncation Mutations in the Prolactin Receptor. Frontiers in Genetics, 2018, 9, 57.	2.3	45
107	Regulation of Pluripotency of Inner Cell Mass and Growth and Differentiation of Trophectoderm of the Bovine Embryo by Colony Stimulating Factor 21. Biology of Reproduction, 2013, 89, 141.	2.7	44
108	Effect of the Progesterone-Induced Serpin-Like Proteins of the Sheep Endometrium on Natural-Killer Cell Activity in Sheep and Mice1. Biology of Reproduction, 1993, 49, 1008-1014.	2.7	43

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109	Interactions between oxygen tension and glucose concentration that modulate actions of heat shock on bovine oocytes during in vitro maturation. Theriogenology, 2007, 68, 763-770.	2.1	43
110	Efficacy of in vitro embryo transfer in lactating dairy cows using fresh or vitrified embryos produced in a novel embryo culture medium. Journal of Dairy Science, 2010, 93, 5234-5242.	3.4	43
111	Identification of Beef Heifers with Superior Uterine Capacity for Pregnancy. Biology of Reproduction, 2016, 95, 47-47.	2.7	43
112	Effect of day of the oestrous cycle, side of the reproductive tract and heat shock on in-vitro protein secretion by bovine endometrium. Reproduction, 1988, 84, 567-578.	2.6	42
113	Single Nucleotide Polymorphisms in Candidate Genes Associated with Fertilizing Ability of Sperm and Subsequent Embryonic Development in Cattle1. Biology of Reproduction, 2013, 89, 69.	2.7	42
114	Sexual Dimorphism in Developmental Programming of the Bovine Preimplantation Embryo Caused by Colony-Stimulating Factor 21. Biology of Reproduction, 2014, 91, 80.	2.7	42
115	In VitroSynthesis and Secretion of Ovine Trophoblast Protein-1 during the Period of Maternal Recognition of Pregnancy*. Endocrinology, 1985, 117, 1424-1430.	2.8	41
116	Consequences of endogenous and exogenous WNT signaling for development of the preimplantation bovine embryoâ€. Biology of Reproduction, 2017, 96, 1129-1141.	2.7	41
117	Genotype Ã— Environmental Interactions on Reproductive Traits of Bovine Females. I. Age at Puberty as Influenced by Breed, Breed of Sire, Dietary Regimen and Season3. Journal of Animal Science, 1982, 55, 1441-1457.	0.5	40
118	Secretory Proteins of the Bovine Conceptus Alter Endometrial Prostaglandin and Protein Secretion in Vitro1. Biology of Reproduction, 1988, 39, 977-987.	2.7	40
119	Induced thermotolerance during early development of murine and bovine embryos. Journal of Cellular Physiology, 1994, 160, 463-468.	4.1	40
120	Consequences of conceptus exposure to colony-stimulating factor 2 on survival, elongation, interferon-Ï„ secretion, and gene expression. Reproduction, 2011, 141, 617-624.	2.6	40
121	Single nucleotide polymorphisms associated with thermoregulation in lactating dairy cows exposed to heat stress. Journal of Animal Breeding and Genetics, 2015, 132, 409-419.	2.0	40
122	Modulation of function of bovine polymorphonuclear leukocytes and lymphocytes by high temperature in vitro and in vivo. American Journal of Veterinary Research, 1991, 52, 1692-8.	0.6	40
123	Induced thermotolerance in bovine two-cell embryos and the role of heat shock protein 70 in embryonic development. Molecular Reproduction and Development, 2002, 62, 174-180.	2.0	39
124	Effects of rumen-protected methionine and choline supplementation on the preimplantation embryo in Holstein cows. Theriogenology, 2016, 85, 1669-1679.	2.1	39
125	Production and Culture of the Bovine Embryo. Methods in Molecular Biology, 2019, 2006, 115-129.	0.9	39
126	Suppression of Lymphocyte Activation by a Highâ€Molecularâ€Weight Glycoprotein Released From Preimplantation Ovine and Porcine Conceptuses. American Journal of Reproductive Immunology and Microbiology: AJRIM, 1987, 14, 38-44.	1.4	38

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127	Natural Killer-Like Cells in the Sheep: Functional Characterization and Regulation by Pregnancy-Associated Proteins. Experimental Biology and Medicine, 2002, 227, 803-811.	2.4	38
128	Colony-stimulating Factor 2 Inhibits Induction of Apoptosis in the Bovine Preimplantation Embryo. American Journal of Reproductive Immunology, 2011, 65, 578-588.	1.2	38
129	Perspectives on improvement of reproduction in cattle during heat stress in a future Japan. Animal Science Journal, 2012, 83, 439-445.	1.4	38
130	Changes in the transcriptome of morula-stage bovine embryos caused by heat shock: relationship to developmental acquisition of thermotolerance. Reproductive Biology and Endocrinology, 2013, 11, 3.	3.3	38
131	PHYSIOLOGY AND ENDOCRINOLOGY SYMPOSIUM: Maternal immunological adjustments to pregnancy and parturition in ruminants and possible implications for postpartum uterine health: Is there a prepartumâ€"postpartum nexus?1. Journal of Animal Science, 2013, 91, 1639-1649.	0.5	38
132	Differences between Brahman and Holstein cows in heat-shock induced alterations of protein synthesis and secretion by oviducts and uterine endometrium.. Journal of Animal Science, 1990, 68, 266.	0.5	37
133	Progesterone-regulated secretion of the serpin-like proteins of the ovine and bovine uterus. Steroids, 1991, 56, 589-597.	1.8	37
134	The effect of in vitro treatment of bovine embryos with IGF-1 on subsequent development in utero to Day 14 of gestation. Theriogenology, 2007, 68, 153-161.	2.1	37
135	Developmental changes in thermoprotective actions of insulin-like growth factor-1 on the preimplantation bovine embryo. Molecular and Cellular Endocrinology, 2011, 332, 170-179.	3.2	37
136	Programming of the preimplantation embryo by the embryokine colony stimulating factor 2. Animal Reproduction Science, 2014, 149, 59-66.	1.5	37
137	Implications of Assisted Reproductive Technologies for Pregnancy Outcomes in Mammals. Annual Review of Animal Biosciences, 2020, 8, 395-413.	7.4	37
138	Angelman syndrome imprinting center encodes a transcriptional promoter. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6871-6875.	7.1	36
139	Thermoprotection of preimplantation bovine embryos from heat shock by glutathione and taurine. Cell Biology International Reports, 1992, 16, 125-131.	0.6	35
140	Identification of the Predominant Proteins in Uterine Fluids of Unilaterally Pregnant Ewes that Inhibit Lymphocyte Proliferation1. Biology of Reproduction, 1993, 49, 997-1007.	2.7	35
141	Effects of lactation and pregnancy on metabolic and hormonal responses and expression of selected conceptus and endometrial genes of Holstein dairy cattle. Journal of Dairy Science, 2012, 95, 5645-5656.	3.4	35
142	Evaluation of genetic components in traits related to superovulation, in vitro fertilization, and embryo transfer in Holstein cattle. Journal of Dairy Science, 2017, 100, 2877-2891.	3.4	35
143	A single nucleotide polymorphism in COQ9 affects mitochondrial and ovarian function and fertility in Holstein cowsâ€. Biology of Reproduction, 2017, 96, 652-663.	2.7	35
144	Prospects for gene introgression or gene editing as a strategy for reduction of the impact of heat stress on production and reproduction in cattle. Theriogenology, 2020, 154, 190-202.	2.1	35

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145	Genotype Ã— Environmental Interactions on Reproductive Traits of Bovine Females. III. Seasonal Variation in Postpartum Reproduction as Influenced by Genotype, Suckling and Dietary Regimen3. Journal of Animal Science, 1983, 56, 1362-1369.	0.5	34
146	Inheritance of resistance of bovine preimplantation embryos to heat shock: Relative importance of the maternal versus paternal contribution. Molecular Reproduction and Development, 2002, 63, 32-37.	2.0	34
147	Manipulation of Antioxidant Status Fails to Improve Fertility of Lactating Cows or Survival of Heat-Shocked Embryos. Journal of Dairy Science, 2003, 86, 2343-2351.	3.4	34
148	Exposure to colony stimulating factor 2 during preimplantation development increases postnatal growth in cattle. Molecular Reproduction and Development, 2015, 82, 892-897.	2.0	34
149	Modification of embryonic resistance to heat shock in cattle by melatonin and genetic variation in HSPA1L. Journal of Dairy Science, 2016, 99, 9152-9164.	3.4	34
150	Appearance of Â-hexosaminidase and other lysosomal-like enzymes in the uterine lumen of gilts, ewes and mares in response to progesterone and oestrogens. Reproduction, 1985, 73, 411-424.	2.6	33
151	Prostaglandin secretion by perifused bovine endometrium: Secretion towards the myometrial and luminal sides at day 17 post-estrus as altered by pregnancy. Prostaglandins, 1988, 35, 343-357.	1.2	33
152	Reorganization of Microfilaments and Microtubules by Thermal Stress in Two-Cell Bovine Embryos1. Biology of Reproduction, 2004, 70, 1852-1862.	2.7	33
153	Consequences for the Bovine Embryo of Being Derived from a Spermatozoon Subjected to Post-Ejaculatory Aging and Heat Shock: Development to the Blastocyst Stage and Sex Ratio. Journal of Reproduction and Development, 2009, 55, 69-74.	1.4	33
154	WNT regulation of embryonic development likely involves pathways independent of nuclear CTNNB1. Reproduction, 2017, 153, 405-419.	2.6	33
155	Role of yes-associated protein 1, angiomotin, and mitogen-activated kinase kinase 1/2 in development of the bovine blastocystâ€. Biology of Reproduction, 2018, 98, 170-183.	2.7	33
156	Effect of Intrauterine and Intramuscular Administration of Recombinant Bovine Interferon Î±1 on Luteal Lifespan in Cattle. Journal of Dairy Science, 1989, 72, 1859-1865.	3.4	32
157	Association of single nucleotide polymorphisms in candidate genes previously related to genetic variation in fertility with phenotypic measurements of reproductive function in Holstein cows. Journal of Dairy Science, 2017, 100, 3725-3734.	3.4	32
158	Effects of intrauterine infusion of seminal plasma at artificial insemination on fertility of lactating Holstein cows. Journal of Dairy Science, 2019, 102, 6587-6594.	3.4	32
159	Regulation of leucocyte subpopulations in the sheep endometrium by progesterone. Immunology, 1992, 76, 636-41.	4.4	32
160	Response of preimplantation murine embryos to heat shock as modified by developmental stage and glutathione status. In Vitro Cellular and Developmental Biology - Animal, 1998, 34, 655-659.	1.5	31
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