Patrick Lonergan

List of Publications by Year
in descending order

161 papers	6,844 citations	50276 46 h-index	74163 75 g-index
166 all docs	166 docs citations	166 times ranked	4072 citing authors

#	Article	IF	Citations
1	Consequences of bovine oocyte maturation, fertilization or early embryo development in vitro versus in vivo: Implications for blastocyst yield and blastocyst quality. Molecular Reproduction and Development, 2002, 61, 234-248.	2.0	699
2	Role of Epidermal Growth Factor in Bovine Oocyte Maturation and Preimplantation Embryo Development in Vitro1. Biology of Reproduction, 1996, 54, 1420-1429.	2.7	231
3	Developmental, qualitative, and ultrastructural differences between ovine and bovine embryos produced in vivo or in vitro. Molecular Reproduction and Development, 2002, 62, 320-327.	2.0	180
4	Influence of progesterone on oocyte quality and embryo development in cows. Theriogenology, 2011, 76, 1594-1601.	2.1	171
5	Maturation of Oocytes in Vitro. Annual Review of Animal Biosciences, 2016, 4, 255-268.	7.4	159
6	In vitro-produced bovine embryosâ€”Dealing with the warts. Theriogenology, 2008, 69, 17-22.	2.1	133
7	Paternal influence on the time of first embryonic cleavage post insemination and the implications for subsequent bovine embryo development in vitro and fertility in vivo. Molecular Reproduction and Development, 2001, 60, 47-55.	2.0	117
8	Effect of culture environment on embryo quality and gene expression â€“ experience from animal studies. Reproductive BioMedicine Online, 2003, 7, 657-663.	2.4	117
9	The role of progesterone and conceptus-derived factors in uterine biology during early pregnancy in ruminants. Journal of Dairy Science, 2016, 99, 5941-5950.	3.4	111
10	Transcriptomic Analysis of the Bovine Endometrium: What is Required to Establish Uterine Receptivity to Implantation in Cattle ?. Journal of Reproduction and Development, 2012, 58, 189-195.	1.4	110
11	Timing of the first cleavage post-insemination affects cryosurvival of in vitro-produced bovine blastocysts. Molecular Reproduction and Development, 1999, 53, 318-324.	2.0	109
12	Functional genomics studies of oocyte competence: evidence that reduced transcript abundance for follistatin is associated with poor developmental competence of bovine oocytes. Reproduction, 2007, 133, 95-106.	2.6	108
13	Effect of storage duration, storage temperature, and diluent on the viability and fertility of fresh ram sperm. Theriogenology, 2010, 73, 541-549.	2.1	108
14	Amino Acids in the Uterine Luminal Fluid Reflects the Temporal Changes in Transporter Expression in the Endometrium and Conceptus during Early Pregnancy in Cattle. PLoS ONE, 2014, 9, e100010.	2.5	101
15	Proteomic analysis of uterine fluid during the pre-implantation period of pregnancy in cattle. Reproduction, 2014, 147, 575-587.	2.6	100
16	Preimplantation embryo programming: transcription, epigenetics, and culture environment. Reproduction, 2008, 135, 141-150.	2.6	97
17	Conceptus-derived prostaglandins regulate gene expression in the endometrium prior to pregnancy recognition in ruminants. Reproduction, 2013, 146, 377-387.	2.6	97
18	Relative messenger RNA abundance in bovine oocytes collected in vitro or in vivo before and 20 hr after the preovulatory luteinizing hormone surge. Molecular Reproduction and Development, 2003, 66, 297-305.	2.0	94

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19	Optimization of in vitro bovine embryo production: effect of duration of maturation, length of gamete co-incubation, sperm concentration and sire. Theriogenology, 2002, 57, 2105-2117.	2.1	91
20	RNA Sequencing Reveals Novel Gene Clusters in Bovine Conceptuses Associated with Maternal Recognition of Pregnancy and Implantation1. Biology of Reproduction, 2011, 85, 1143-1151.	2.7	88
21	Bovine oocyte and embryo development following meiotic inhibition with butyrolactone I. Molecular Reproduction and Development, 2000, 57, 204-209.	2.0	86
22	Oviduct-Embryo Interactions in Cattle: Two-Way Traffic or a One-Way Street?1. Biology of Reproduction, 2015, 92, 144.	2.7	84
23	Gene expression profile of cumulus cells derived from cumulus - oocyte complexes matured either in vivo or in vitro. Reproduction, Fertility and Development, 2009, 21, 451.	0.4	83
24	Effects of Low Progesterone on the Endometrial Transcriptome in Cattle1. Biology of Reproduction, 2012, 87, 124.	2.7	77
25	TMEM95 is a sperm membrane protein essential for mammalian fertilization. ELife, 2020, 9, .	6.0	75
26	Developmental kinetics and gene expression in male and female bovine embryos produced in vitro with sex-sorted spermatozoa. Reproduction, Fertility and Development, 2010, 22, 426.	0.4	74
27	Analysis of differential maternal mRNA expression in developmentally competent and incompetent bovine two-cell embryos. Molecular Reproduction and Development, 2004, 67, 136-144.	2.0	73
28	â€˜Conceptualizingâ€™ the Endometrium: Identification of Conceptus-Derived Proteins During Early Pregnancy in Cattle1. Biology of Reproduction, 2015, 92, 156.	2.7	73
29	Influence of bull age, ejaculate number, and season of collection on semen production and sperm motility parameters in Holstein Friesian bulls in a commercial artificial insemination centre. Journal of Animal Science, 2018, 96, 2408-2418.	0.5	72
30	Sequential analysis of global gene expression profiles in immature and in vitro matured bovine oocytes: potential molecular markers of oocyte maturation. BMC Genomics, 2011, 12, 151.	2.8	70
31	Predictive value of bovine follicular components as markers of oocyte developmental potential. Reproduction, Fertility and Development, 2014, 26, 337.	0.4	70
32	Role of progesterone in embryo development in cattle. Reproduction, Fertility and Development, 2016, 28, 66.	0.4	69
33	In vitro production of bovine embryos using individual oocytes. Molecular Reproduction and Development, 1996, 45, 145-150.	2.0	68
34	Factors influencing oocyte and embryo quality in cattle. Reproduction, Nutrition, Development, 2001, 41, 427-437.	1.9	65
35	Embryo development in dairy cattle. Theriogenology, 2016, 86, 270-277.	2.1	63
36	Embryo survival and recipient pregnancy rates after transfer of fresh or vitrified, in vivo or in vitro produced ovine blastocysts. Animal Reproduction Science, 2002, 74, 35-44.	1.5	62

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37	Effect of embryo source and recipient progesterone environment on embryo development in cattle. Reproduction, Fertility and Development, 2007, 19, 861.	0.4	61
38	Effect of freezing rate of ram spermatozoa on subsequent fertility in vivo and in vitro. Animal Reproduction Science, 2000, 62, 265-275.	1.5	56
39	Ultrastructural modifications in bovine oocytes maintained in meiotic arrest in vitro using roscovitine or butyrolactone. Molecular Reproduction and Development, 2003, 64, 369-378.	2.0	56
40	Conceptus-Endometrium Crosstalk During Maternal Recognition of Pregnancy in Cattle1. Biology of Reproduction, 2012, 87, 6, 1-9.	2.7	56
41	Effect of bovine blastocyst size at embryo transfer on day 7 on conceptus length on day 14: Can supplementary progesterone rescue small embryos?. Theriogenology, 2014, 81, 1123-1128.	2.1	56
42	Oviductal response to gametes and early embryos in mammals. Reproduction, 2016, 152, R127-R141.	2.6	55
43	Characterization of the Th Profile of the Bovine Endometrium during the Oestrous Cycle and Early Pregnancy. PLoS ONE, 2013, 8, e75571.	2.5	54
44	Interferon tau-dependent and independent effects of the bovine conceptus on the endometrial transcriptomeâ€. Biology of Reproduction, 2019, 100, 365-380.	2.7	54
45	Effect of diet quantity and urea supplementation on oocyte and embryo quality in sheep. Theriogenology, 2001, 55, 1059-1069.	2.1	53
46	Differentially Expressed Genes in Endometrium and Corpus Luteum of Holstein Cows Selected for High and Low Fertility Are Enriched for Sequence Variants Associated with Fertility1. Biology of Reproduction, 2016, 94, 19.	2.7	53
47	Alterations in expression of endometrial genes coding for proteins secreted into the uterine lumen during conceptus elongation in cattle. BMC Genomics, 2013, 14, 321.	2.8	52
48	Developmental competence in oocytes and cumulus cells: candidate genes and networks. Systems Biology in Reproductive Medicine, 2012, 58, 88-101.	2.1	49
49	Suppression of connexin 43 and E-cadherin transcripts in in vitro derived bovine embryos following culture in vitro or in vivo in the homologous bovine oviduct. Molecular Reproduction and Development, 2007, 74, 978-988.	2.0	47
50	Effect of the Post-Fertilization Culture Environment on the Incidence of Chromosome Aberrations in Bovine Blastocysts1. Biology of Reproduction, 2004, 71, 1096-1100.	2.7	46
51	Cauda Epididymis-Specific Beta-Defensin 126 Promotes Sperm Motility but Not Fertilizing Ability in Cattle. Biology of Reproduction, 2016, 95, 122-122.	2.7	44
52	Spatial differences in gene expression in the bovine oviduct. Reproduction, 2016, 152, 37-46.	2.6	44
53	Immunolocalization of Nucleolar Proteins During Bovine Oocyte Growth, Meiotic Maturation, and Fertilization1. Biology of Reproduction, 2001, 64, 1516-1525.	2.7	39
54	Effect of reducing sperm concentration during IVF on the ability to distinguish between bulls of high and low field fertility: work in progress. Theriogenology, 2003, 59, 1575-1584.	2.1	39

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55	Relationship between in vitro sperm functional tests and in vivo fertility of rams following cervical artificial insemination of ewes with frozen-thawed semen. Theriogenology, 2008, 69, 513-522.	2.1	39
56	Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen. Theriogenology, 2005, 64, 1797-1808.	2.1	38
57	Search for the Bovine Homolog of the Murine Ped Gene and Characterization of Its Messenger RNA Expression During Bovine Preimplantation Development1. Biology of Reproduction, 2004, 70, 488-494.	2.7	37
58	Asynchronous embryo transfer as a tool to understand embryoâ€“uterine interaction in cattle: is a large conceptus a good thing?. Reproduction, Fertility and Development, 2016, 28, 1999.	0.4	37
59	Resuspending ram spermatozoa in seminal plasma after cryopreservation does not improve pregnancy rate in cervically inseminated ewes. Theriogenology, 2007, 67, 1262-1268.	2.1	36
60	The effect of feeding propylene glycol to dairy cows during the early postpartum period on follicular dynamics and on metabolic parameters related to fertility. Theriogenology, 2008, 69, 688-699.	2.1	35
61	Bovine endometrium responds differentially to age-matched short and long conceptusesâ€. Biology of Reproduction, 2019, 101, 26-39.	2.7	35
62	Species-related differences in blastocyst quality are associated with differences in relative mRNA transcription. Molecular Reproduction and Development, 2004, 69, 381-386.	2.0	33
63	Comparisons between nulliparous heifers and cows as oocyte donors for embryo production in vitro. Theriogenology, 2005, 63, 939-949.	2.1	33
64	Maturation, fertilisation and culture of bovine oocytes and embryos in an individually identifiable manner: a tool for studying oocyte developmental competence. Reproduction, Fertility and Development, 2010, 22, 839.	0.4	33
65	The ART of studying early embryo development: Progress and challenges in ruminant embryo culture. Theriogenology, 2014, 81, 49-55.	2.1	33
66	Temporal expression of transcripts related to embryo quality in bovine embryos cultured from the two-cell to blastocyst stage in vitro or in vivo. Molecular Reproduction and Development, 2007, 74, 972-977.	2.0	32
67	Maintenance of meiotic arrest in bovine oocytes in vitro using butyrolactone I: Effects on oocyte ultrastructure and nucleolus function. Molecular Reproduction and Development, 2002, 62, 375-386.	2.0	30
68	Lactation-induced changes in metabolic status and follicular-fluid metabolomic profile in postpartum dairy cows. Reproduction, Fertility and Development, 2016, 28, 1882.	0.4	30
69	Maternal-embryo interaction in the bovine oviduct: Evidence from inÂvivo and inÂvitro studies. Theriogenology, 2016, 86, 443-450.	2.1	29
70	Membrane permeability characteristics of bovine oocytes and development of a step-wise cryoprotectant adding and diluting protocol. Cryobiology, 2010, 61, 58-65.	0.7	26
71	Identification of novel genes associated with dominant follicle development in cattle. Reproduction, Fertility and Development, 2007, 19, 967.	0.4	25
72	Effects of lipid-encapsulated conjugated linoleic acid supplementation on milk production, bioenergetic status and indicators of reproductive performance in lactating dairy cows. Journal of Dairy Research, 2011, 78, 308-317.	1.4	24

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73	Embryonic maternal interaction in cattle and its relationship with fertility. Reproduction in Domestic Animals, 2018, 53, 20-27.	1.4	24
74	Fertility of frozen sex-sorted sperm at 4 Ã— 106 sperm per dose in lactating dairy cows in seasonal-calving pasture-based herds. Journal of Dairy Science, 2020, 103, 929-939.	3.4	24
75	Effect of duration of oocyte maturation on the kinetics of cleavage, embryo yield and sex ratio in cattle. Reproduction, Fertility and Development, 2008, 20, 734.	0.4	23
76	Differential isoform expression and alternative splicing in sex determination in mice. BMC Genomics, 2019, 20, 202.	2.8	23
77	Fertility of fresh and frozen sex-sorted semen in dairy cows and heifers in seasonal-calving pasture-based herds. Journal of Dairy Science, 2019, 102, 10530-10542.	3.4	23
78	Progesterone alters the bovine uterine fluid lipidome during the period of elongation. Reproduction, 2019, 157, 399-411.	2.6	23
79	Sperm-Coating Beta-Defensin 126 Is a Dissociation-Resistant Dimer Produced by Epididymal Epithelium in the Bovine Reproductive Tract. Biology of Reproduction, 2016, 95, 121-121.	2.7	22
80	Subfertility in bulls carrying a nonsense mutation in transmembrane protein 95 is due to failure to interact with the oocyte vestmentsâ€. Biology of Reproduction, 2017, 97, 50-60.	2.7	22
81	The relationship between external auditory canal temperature and onset of estrus and ovulation in beef heifers. Theriogenology, 2018, 110, 175-181.	2.1	22
82	Biochemical characterization of progesterone-induced alterations in bovine uterine fluid amino acid and carbohydrate composition during the conceptus elongation windowâ€. Biology of Reproduction, 2018, 100, 672-685.	2.7	22
83	Symposium review: Progesterone effects on early embryo development in cattle. Journal of Dairy Science, 2020, 103, 8698-8707.	3.4	22
84	Classical and non-classical Major Histocompatibility Complex class I gene expression in in vitro derived bovine embryos. Journal of Reproductive Immunology, 2009, 82, 48-56.	1.9	21
85	Do differences in the endometrial transcriptome between uterine horns ipsilateral and contralateral to the corpus luteum influence conceptus growth to day 14 in cattle?â€. Biology of Reproduction, 2019, 100, 86-100.	2.7	21
86	The influence of progesterone on bovine uterine fluid energy, nucleotide, vitamin, cofactor, peptide,Âand xenobiotic composition during the conceptus elongation-initiation window. Scientific Reports, 2019, 9, 7716.	3.3	21
87	The biochemistry surrounding bovine conceptus elongationâ€. Biology of Reproduction, 2019, 101, 328-337.	2.7	21
88	Comprehensive functional analysis reveals that acrosome integrity and viability are key variables distinguishing artificial insemination bulls of varying fertility. Journal of Dairy Science, 2021, 104, 11226-11241.	3.4	21
89	Sexually Dimorphic Gene Expression in Bovine Conceptuses at the Initiation of Implantation. Biology of Reproduction, 2016, 95, 92-92.	2.7	20
90	Effect of Exposure to Seminal Plasma Through Natural Mating in Cattle on Conceptus Length and Gene Expression. Frontiers in Cell and Developmental Biology, 2020, 8, 341.	3.7	20

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91	Intrafollicular testosterone concentration and sex ratio in individually cultured bovine embryos. Reproduction, Fertility and Development, 2010, 22, 533.	0.4	19
92	Regulation of a Bovine Nonclassical Major Histocompatibility Complex Class I Gene Promoter1. Biology of Reproduction, 2010, 83, 296-306.	2.7	19
93	Transcriptomic changes in the bovine conceptus between the blastocyst stage and initiation of implantation. Animal Reproduction Science, 2012, 134, 56-63.	1.5	19
94	A comparison of semen diluents on the in vitro and in vivo fertility of liquid bull semen. Journal of Dairy Science, 2017, 100, 1541-1554.	3.4	19
95	A dual targeted Î²-defensin and exome sequencing approach to identify, validate and functionally characterise genes associated with bull fertility. Scientific Reports, 2017, 7, 12287.	3.3	19
96	Effect of metabolic status on conceptusâ€“maternal interactions on day 19 in dairy cattle: II. Effects on the endometrial transcriptomeâ€. Biology of Reproduction, 2017, 97, 413-425.	2.7	19
97	Relative effects of location relative to the corpus luteum and lactation on the transcriptome of the bovine oviduct epithelium. BMC Genomics, 2019, 20, 233.	2.8	19
98	Gene expression and metabolic response of bovine oviduct epithelial cells to the early embryo. Reproduction, 2019, 158, 85-94.	2.6	19
99	Predicting embryo quality: mRNA expression and the preimplantation embryo. Reproductive BioMedicine Online, 2005, 11, 340-348.	2.4	18
100	Pregnancy and fetal characteristics after transfer of vitrified in vivo and cloned bovine embryos. Theriogenology, 2007, 68, 1128-1137.	2.1	17
101	Ewe breed differences in fertility after cervical AI with frozenâ€“thawed semen and associated differences in sperm penetration and physicochemical properties of cervical mucus. Animal Reproduction Science, 2011, 129, 37-43.	1.5	17
102	The Effect of Lactation on Postâ€Partum Uterine Involution in Holstein Dairy Cows. Reproduction in Domestic Animals, 2013, 48, 888-892.	1.4	17
103	The Consequences of Maternal-Embryonic Cross Talk During the Periconception Period on Subsequent Embryonic Development. Advances in Experimental Medicine and Biology, 2017, 1014, 69-86.	1.6	17
104	Mating to Intact, but Not Vasectomized, Males Elicits Changes in the Endometrial Transcriptome: Insights From the Bovine Model. Frontiers in Cell and Developmental Biology, 2020, 8, 547.	3.7	17
105	Spatial and Pregnancy-Related Changes in the Protein, Amino Acid, and Carbohydrate Composition of Bovine Oviduct Fluid. International Journal of Molecular Sciences, 2020, 21, 1681.	4.1	17
106	The Role of Progesterone in Maternal Recognition of Pregnancy in Domestic Ruminants. Advances in Anatomy, Embryology and Cell Biology, 2015, 216, 87-104.	1.6	16
107	High temperature-humidity index compromises sperm quality and fertility of Holstein bulls in temperate climates. Journal of Dairy Science, 2020, 103, 9502-9514.	3.4	16
108	Gene silencing in bovine zygotes: siRNA transfection versus microinjection. Reproduction, Fertility and Development, 2011, 23, 534.	0.4	15

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109	Effect of lactation on conceptus-maternal interactions at the initiation of implantation in cattle: I. Effects on the conceptus transcriptome and amino acid composition of the uterine luminal fluidâ€. Biology of Reproduction, 2017, 97, 798-809.	2.7	15
110	Effect of human chorionic gonadotrophin administration 2 days after insemination on progesterone concentration and pregnancy per artificial insemination in lactating dairy cows. Journal of Dairy Science, 2018, 101, 6556-6567.	3.4	15
111	Prepubertal nutrition alters Leydig cell functional capacity and timing of puberty. PLoS ONE, 2019, 14, e0225465.	2.5	15
112	Accelerating Onset of Puberty Through Modification of Early Life Nutrition Induces Modest but Persistent Changes in Bull Sperm DNA Methylation Profiles Post-puberty. Frontiers in Genetics, 2020, 11, 945.	2.3	15
113	Evaluation of delayed timing of artificial insemination with sex-sorted sperm on pregnancy per artificial insemination in seasonal-calving, pasture-based lactating dairy cows. Journal of Dairy Science, 2020, 103, 12059-12068.	3.4	15
114	Sire contribution to fertilization failure and early embryo survival in cattle. Journal of Dairy Science, 2021, 104, 7262-7271.	3.4	14
115	Aspects of embryo-maternal communication in establishment of pregnancy in cattle. Animal Reproduction, 2019, 16, 376-385.	1.0	14
116	Conceptus-induced, interferon tau-dependent gene expression in bovine endometrial epithelial and stromal cellsâ€. Biology of Reproduction, 2021, 104, 669-683.	2.7	14
117	New insights into the function of progesterone in early pregnancy. Animal Frontiers, 2015, 5, 12-17.	1.7	12
118	Species-specific and collection method-dependent differences in endometrial susceptibility to seminal plasma-induced RNA degradation. Scientific Reports, 2019, 9, 15072.	3.3	12
119	Associations between postpartum phenotypes, cow factors, genetic traits, and reproductive performance in seasonal-calving, pasture-based lactating dairy cows. Journal of Dairy Science, 2020, 103, 1016-1030.	3.4	12
120	Invited review: Use of assisted reproduction techniques to accelerate genetic gain and increase value of beef production in dairy herds. Journal of Dairy Science, 2021, 104, 12189-12206.	3.4	12
121	Atlas of receptor genes expressed by the bovine morula and corresponding ligandâ€related genes expressed by uterine endometrium. Molecular Reproduction and Development, 2021, 88, 694-704.	2.0	12
122	Effect of site of deposition on the fertility of sheep inseminated with frozen-thawed semen. Animal Reproduction Science, 2012, 131, 160-164.	1.5	11
123	Maternal metabolism affects endometrial expression of oxidative stress and FOXL2 genes in cattle. PLoS ONE, 2017, 12, e0189942.	2.5	11
124	Influence of metabolic status and genetic merit for fertility on proteomic composition of bovine oviduct fluidâ€. Biology of Reproduction, 2019, 101, 893-905.	2.7	11
125	Application of multi-omics data integration and machine learning approaches to identify epigenetic and transcriptomic differences between in vitro and in vivo produced bovine embryos. PLoS ONE, 2021, 16, e0252096.	2.5	11
126	Immunological aspects of ovarian follicle ovulation and corpus luteum formation in cattle. Reproduction, 2021, 162, 209-225.	2.6	11

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127	Effect of duration of storage at ambient temperature on fertilizing ability and mucus penetration ability of fresh bovine sperm. Theriogenology, 2011, 76, 1070-1075.	2.1	10
128	Temporally differential protein expression of glycolytic and glycogenic enzymes during in vitro preimplantation bovine embryo development. Reproduction, Fertility and Development, 2018, 30, 1245.	0.4	10
129	Genetic merit for fertility alters the bovine uterine luminal fluid proteomeâ€. Biology of Reproduction, 2020, 102, 730-739.	2.7	10
130	Plasma extracellular vesicle miRNAs as potential biomarkers of superstimulatory response in cattle. Scientific Reports, 2020, 10, 19130.	3.3	10
131	Protein Synthesis by Day 16 Bovine Conceptuses during the Time of Maternal Recognition of Pregnancy. International Journal of Molecular Sciences, 2020, 21, 2870.	4.1	10
132	Conceptus metabolomic profiling reveals stage-specific phenotypes leading up to pregnancy recognition in cattleâ€. Biology of Reproduction, 2021, 104, 1022-1033.	2.7	10
133	Sperm DNA methylation patterns at discrete CpGs and genes involved in embryonic development are related to bull fertility. BMC Genomics, 2022, 23, 379.	2.8	10
134	Optimizing storage temperature of liquid bovine semen diluted in INRA96. Journal of Dairy Science, 2018, 101, 5549-5558.	3.4	9
135	An approach to study the local embryo effect on gene expression in the bovine oviduct epithelium in vivo. Reproduction in Domestic Animals, 2019, 54, 1516-1523.	1.4	9
136	Effect of equine chorionic gonadotropin treatment during a progesterone-based timed artificial insemination program on reproductive performance in seasonal-calving lactating dairy cows. Journal of Dairy Science, 2018, 101, 10526-10535.	3.4	8
137	Associations between postpartum fertility phenotypes and genetic traits in seasonal-calving, pasture-based lactating dairy cows. Journal of Dairy Science, 2020, 103, 1002-1015.	3.4	8
138	JUNO protein coated beads: A potential tool to predict bovine sperm fertilizing ability. Theriogenology, 2020, 155, 168-175.	2.1	8
139	Galectin-1 induces gene and protein expression related to maternal-conceptus immune tolerance in bovine endometrium. Biology of Reproduction, 2022, 106, 487-502.	2.7	8
140	Transmission ratio distortion at the growth hormone gene (GH1) in bovine preimplantation embryos: An in vitro cultureâ€induced phenomenon?. Molecular Reproduction and Development, 2008, 75, 715-722.	2.0	7
141	In vitro characterisation of fresh and frozen sex-sorted bull spermatozoa. Reproduction, Fertility and Development, 2017, 29, 1415.	0.4	7
142	Challenges in studying preimplantation embryo-maternal interaction in cattle. Theriogenology, 2020, 150, 139-149.	2.1	7
143	The potential of volatile organic compound analysis in cervicovaginal mucus to predict estrus and ovulation in estrus-synchronized heifers. Journal of Dairy Science, 2021, 104, 1087-1098.	3.4	7
144	Effect of plane of nutrition during the first 12 weeks of life on growth, metabolic and reproductive hormone concentrations, and testicular relative mRNA abundance in preweaned Holstein Friesian bull calves. Journal of Animal Science, 2021, 99, .	0.5	7

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145	Gene expression profiles of bovine genital ridges during sex determination and early differentiation of the gonadsâ€. Biology of Reproduction, 2020, 102, 38-52.	2.7	6
146	MicroRNAs in amniotic fluid and maternal blood plasma associated with sex determination and early gonad differentiation in cattle. Biology of Reproduction, 2021, 105, 345-358.	2.7	6
147	A high plane of nutrition during early life alters the hypothalamic transcriptome of heifer calves. Scientific Reports, 2021, 11, 13978.	3.3	6
148	Looking at the big picture: understanding how the oviduct s dialogue with gametes and the embryo shapes reproductive success. Animal Reproduction, 2018, 15, 751-764.	1.0	6
149	Effect of ovulation synchronization program and season on pregnancy to timed artificial insemination in suckled beef cows. Theriogenology, 2021, 172, 223-229.	2.1	5
150	Location relative to the corpus luteum affects bovine endometrial response to a conceptus. Reproduction, 2020, 159, 643-657.	2.6	5
151	RNAâ€sequencing reveals genes linked with oocyte developmental potential in bovine cumulus cells. Molecular Reproduction and Development, 2022, 89, 399-412.	2.0	5
152	International Bull Fertility Conference â€“ Theory to Practice, Westport, Ireland, 2018. Animal, 2018, 12, s1-s3.	3.3	4
153	Effects of dietary n-3-PUFA supplementation, post-insemination plane of nutrition and pregnancy status on the endometrial transcriptome of beef heifers. Scientific Reports, 2020, 10, 20798.	3.3	4
154	Asynchrony between the early embryo and the reproductive tract affects subsequent embryo development in cattle. Reproduction, Fertility and Development, 2020, 32, 564.	0.4	4
155	Autocrine Embryotropins in Embryo Development: Controlling One's Own Fate. Biology of Reproduction, 2011, 84, 1075-1076.	2.7	2
156	Economics of timed artificial insemination with unsorted or sexed semen in a high-producing, pasture-based dairy production system. Journal of Dairy Science, 2022, 105, 3192-3208.	3.4	2
157	Characteristics of offspring derived from conventional and X-sorted bovine sperm. Journal of Dairy Science, 2020, 103, 7509-7520.	3.4	1
158	Plasma progesterone concentration after first service is associated with individual genetic traits, postpartum phenotypes, and likelihood of conception in seasonal-calving pasture-based dairy cows. Journal of Dairy Science, 2021, 104, 12968-12979.	3.4	1
159	PSIX-26 Effect of enhanced nutrition during early life on the transcriptional profile of the arcuate nucleus region of the hypothalamus in Holstein Friesian bull calves. Journal of Animal Science, 2020, 98, 332-333.	0.5	1
160	The Two-Cell Embryoâ€”Two Sides of the Same Coin?. Biology of Reproduction, 2012, 87, 153.	2.7	0
161	PSVII-41 Late-Breaking Abstract: Impact of enhanced early life nutrition on the testes transcriptional profile of the bull calf. Journal of Animal Science, 2020, 98, 341-342.	0.5	0