

Marc-Andr Sirard

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.

199 papers	8,199 citations	52 h-index	82 g-index
207 ext. papers	8,843 ext. citations	3.2 avg, IF	6.15 L-index

#	Paper	IF	Citations
199	Bovine oocyte exposure to perfluorohexane sulfonate (PFHxS) induces phenotypic, transcriptomic, and DNA methylation changes in resulting embryos in vitro.. <i>Reproductive Toxicology</i> , 2022 , 109, 19-30	3.4	0
198	Cocultured porcine granulosa cells respond to excess non-esterified fatty acids during in vitro maturation. <i>Journal of Ovarian Research</i> , 2021 , 14, 142	5.5	1
197	Transcriptome and epigenome analysis of porcine embryos from non-esterified fatty acid-exposed oocytes. <i>Domestic Animal Endocrinology</i> , 2021 , 76, 106605	2.3	1
196	Epigenomic and transcriptomic analyses reveal early activation of the HPG axis in in vitro-produced male dairy calves. <i>FASEB Journal</i> , 2021 , 35, e21882	0.9	0
195	Epigenetic inheritance of acquired traits through DNA methylation.. <i>Animal Frontiers</i> , 2021 , 11, 19-27	5.5	2
194	Gene cascade analysis in human granulosa tumor cells (KGN) following exposure to high levels of free fatty acids and insulin.. <i>Journal of Ovarian Research</i> , 2021 , 14, 178	5.5	1
193	Gene analysis of major signaling pathways regulated by gonadotropins in human ovarian granulosa tumor cells (KGN) <i>Biology of Reproduction</i> , 2020 , 103, 583-598	3.9	1
192	Patients who failed to conceive following an in vitro fertilization cycle can be clustered into different failure causes using gene expression hierarchical analysis <i>Biology of Reproduction</i> , 2020 , 103, 599-607	3.9	0
191	The effects of LH inhibition with cetrorelix on cumulus cell gene expression during the luteal phase under ovarian coasting stimulation in cattle. <i>Domestic Animal Endocrinology</i> , 2020 , 72, 106429	2.3	0
190	The age of the bull influences the transcriptome and epigenome of blastocysts produced by IVF. <i>Theriogenology</i> , 2020 , 144, 122-131	2.8	11
189	Embryonic response to high beta-hydroxybutyrate (BHB) levels in postpartum dairy cows. <i>Domestic Animal Endocrinology</i> , 2020 , 72, 106431	2.3	8
188	Specific imprinted genes demethylation in association with oocyte donor's age and culture conditions in bovine embryos assessed at day 7 and 12 post insemination. <i>Theriogenology</i> , 2020 , 158, 321-330	2.8	5
187	Effects of follicular ablation and GnRH on synchronization of ovulation and conception rates in embryo recipient heifers. <i>Animal Reproduction Science</i> , 2020 , 221, 106596	2.1	0
186	DNA methylation status of bovine blastocysts obtained from peripubertal oocyte donors. <i>Molecular Reproduction and Development</i> , 2020 , 87, 910-924	2.6	1
185	Sperm miRNAs- potential mediators of bull age and early embryo development. <i>BMC Genomics</i> , 2020 , 21, 798	4.5	8
184	Mitoepigenetics: Methylation of mitochondrial DNA is strand-biased in bovine oocytes and embryos. <i>Reproduction in Domestic Animals</i> , 2020 , 55, 1455-1458	1.6	2
183	Gene expression analysis of follicular cells revealed inflammation as a potential IVF failure cause. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 1195-1210	3.4	9

182	Distribution and dynamics of mitochondrial DNA methylation in oocytes, embryos and granulosa cells. <i>Scientific Reports</i> , 2019 , 9, 11937	4.9	23
181	Folliculogenesis and acquisition of oocyte competence in cows. <i>Animal Reproduction</i> , 2019 , 16, 449-454	1.7	5
180	ASAS-SSR Triennial Reproduction Symposium: The use of natural cycle and follicular dynamic to improve oocyte quality in dairy cows and heifers. <i>Journal of Animal Science</i> , 2018 , 96, 2971-2976	0.7	4
179	Availability, Quality, and Relevance of Toxicogenomics Data for Human Health Risk Assessment: A Scoping Review of the Literature on Trihalomethanes. <i>Toxicological Sciences</i> , 2018 , 163, 364-373	4.4	9
178	40 years of bovine IVF in the new genomic selection context. <i>Reproduction</i> , 2018 , 156, R1-R7	3.8	41
177	Follicle capacitation: a meta-analysis to investigate the transcriptome dynamics following follicle-stimulating hormone decline in bovine granulosa cells. <i>Biology of Reproduction</i> , 2018 , 99, 877-887	2.9	6
176	Successful in vitro maturation of oocytes: a matter of follicular differentiation. <i>Biology of Reproduction</i> , 2018 , 98, 162-169	3.9	25
175	Spermatozoa DNA methylation patterns differ due to peripubertal age in bulls. <i>Theriogenology</i> , 2018 , 106, 21-29	2.8	27
174	Influence of luteinizing hormone support on granulosa cells transcriptome in cattle. <i>Animal Science Journal</i> , 2018 , 89, 21-30	1.8	6
173	DNA methylation pattern of bovine blastocysts associated with hyperinsulinemia in vitro. <i>Molecular Reproduction and Development</i> , 2018 , 85, 599-611	2.6	6
172	Genome-wide screening of DNA methylation in bovine blastocysts with different kinetics of development. <i>Epigenetics and Chromatin</i> , 2018 , 11, 1	5.8	29
171	Effect of heifer age on the granulosa cell transcriptome after ovarian stimulation. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 980-990	1.8	3
170	Metabolic stress induces modifications in the epigenetic program of preimplantation bovine embryos. <i>Molecular Reproduction and Development</i> , 2018 , 85, 117-127	2.6	10
169	Lipid profile of bovine blastocysts exposed to insulin during in vitro oocyte maturation. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1253-1266	1.8	4
168	Short-term effect of FSH on gene expression in bovine granulosa cells in vitro. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1154-1160	1.8	5
167	Transcriptomic evaluation of bovine blastocysts obtained from peri-pubertal oocyte donors. <i>Theriogenology</i> , 2017 , 93, 111-123	2.8	12
166	Mechanisms Involved in Porcine Early Embryo Survival following Ethanol Exposure. <i>Toxicological Sciences</i> , 2017 , 156, 289-299	4.4	7
165	Barriers to the use of toxicogenomics data in human health risk assessment: A survey of Canadian risk assessors. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 85, 119-123	3.4	13

164	Regulation of ATF1 and ATF2 transcripts by sequences in their 3' untranslated region in cleavage-stage cattle embryos. <i>Molecular Reproduction and Development</i> , 2017 , 84, 296-309	2.6	2
163	The influence of in vitro fertilization and embryo culture on the embryo epigenetic constituents and the possible consequences in the bovine model. <i>Journal of Developmental Origins of Health and Disease</i> , 2017 , 8, 411-417	2.4	19
162	Comparative analysis of granulosa cell gene expression in association with oocyte competence in FSH-stimulated Holstein cows. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 2324-2335	1.8	8
161	Insulin during in vitro oocyte maturation has an impact on development, mitochondria, and cytoskeleton in bovine day 8 blastocysts. <i>Theriogenology</i> , 2017 , 101, 15-25	2.8	13
160	Active 3',5'-cyclic nucleotide phosphodiesterases are present in detergent-resistant membranes of mural granulosa cells. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 778-790	1.8	7
159	Transcriptomic analysis of gene cascades involved in protein kinase A and C signaling in the KGN line of human ovarian granulosa tumor cells. <i>Biology of Reproduction</i> , 2017 , 96, 855-865	3.9	11
158	J DOHaD issue on ART and DOHaD. <i>Journal of Developmental Origins of Health and Disease</i> , 2017 , 8, 385-386	3.8	1
157	Accumulation of Chromatin Remodelling Enzyme and Histone Transcripts in Bovine Oocytes. <i>Results and Problems in Cell Differentiation</i> , 2017 , 63, 223-255	1.4	9
156	Transcriptome meta-analysis of three follicular compartments and its correlation with ovarian follicle maturity and oocyte developmental competence in cows. <i>Physiological Genomics</i> , 2016 , 48, 633-643	3.6	16
155	Responses of bovine early embryos to S-adenosyl methionine supplementation in culture. <i>Epigenomics</i> , 2016 , 8, 1039-60	4.4	15
154	Meta-analysis of gene expression profiles in granulosa cells during folliculogenesis. <i>Reproduction</i> , 2016 , 151, R103-10	3.8	20
153	Epigenetic modification with trichostatin A does not correct specific errors of somatic cell nuclear transfer at the transcriptomic level; highlighting the non-random nature of oocyte-mediated reprogramming errors. <i>BMC Genomics</i> , 2016 , 17, 16	4.5	27
152	Transcriptome analysis of bovine oocytes from distinct follicle sizes: Insights from correlation network analysis. <i>Molecular Reproduction and Development</i> , 2016 , 83, 558-69	2.6	20
151	Stable reference genes in granulosa cells of bovine dominant follicles during follicular growth, FSH stimulation and maternal aging. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 795-805	1.8	7
150	Somatic environment and germinal differentiation in antral follicle: The effect of FSH withdrawal and basal LH on oocyte competence acquisition in cattle. <i>Theriogenology</i> , 2016 , 86, 54-61	2.8	25
149	Transcriptional characteristics of different sized follicles in relation to embryo transferability: potential role of hepatocyte growth factor signalling. <i>Molecular Human Reproduction</i> , 2016 , 22, 475-84	4.4	21
148	Effect of cow age on the in vitro developmental competence of oocytes obtained after FSH stimulation and coasting treatments. <i>Theriogenology</i> , 2016 , 86, 1240-6	2.8	39
147	Low concentrations of bromodichloromethane induce a toxicogenomic response in porcine embryos in vitro. <i>Reproductive Toxicology</i> , 2016 , 66, 44-55	3.4	6

146	Characterization of FSH signalling networks in bovine cumulus cells: a perspective on oocyte competence acquisition. <i>Molecular Human Reproduction</i> , 2015 , 21, 688-701	4.4	25
145	Global gene expression in granulosa cells of growing, plateau and atretic dominant follicles in cattle. <i>Reproductive Biology and Endocrinology</i> , 2015 , 13, 17	5	36
144	Transcriptomic analysis of cyclic AMP response in bovine cumulus cells. <i>Physiological Genomics</i> , 2015 , 47, 432-42	3.6	15
143	Effects of intramuscular administration of folic acid and vitamin B12 on granulosa cells gene expression in postpartum dairy cows. <i>Journal of Dairy Science</i> , 2015 , 98, 7797-809	4	14
142	The effect of energy balance on the transcriptome of bovine granulosa cells at 60 days postpartum. <i>Theriogenology</i> , 2015 , 84, 1350-61.e6	2.8	17
141	Individual bovine in vitro embryo production and cumulus cell transcriptomic analysis to distinguish cumulus-oocyte complexes with high or low developmental potential. <i>Theriogenology</i> , 2015 , 83, 228-37	2.8	44
140	Interaction between differential gene expression profile and phenotype in bovine blastocysts originating from oocytes exposed to elevated non-esterified fatty acid concentrations. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 372-84	1.8	29
139	Chromatin remodelling and histone m RNA accumulation in bovine germinal vesicle oocytes. <i>Molecular Reproduction and Development</i> , 2015 , 82, 450-62	2.6	25
138	Transcriptome profiling of bovine inner cell mass and trophectoderm derived from in vivo generated blastocysts. <i>BMC Developmental Biology</i> , 2015 , 15, 49	3.1	29
137	Genome-Wide DNA Methylation Patterns of Bovine Blastocysts Developed In Vivo from Embryos Completed Different Stages of Development In Vitro. <i>PLoS ONE</i> , 2015 , 10, e0140467	3.7	58
136	The impact of exposure to serum lipids during in vitro culture on the transcriptome of bovine blastocysts. <i>Theriogenology</i> , 2014 , 81, 712-22.e1-3	2.8	27
135	Gene expression analysis of bovine oocytes at optimal coasting time combined with GnRH antagonist during the FSH period. <i>Theriogenology</i> , 2014 , 81, 1092-100	2.8	15
134	The study of mammalian oocyte competence by transcriptome analysis: progress and challenges. <i>Molecular Human Reproduction</i> , 2014 , 20, 103-16	4.4	58
133	Rapidly cleaving bovine two-cell embryos have better developmental potential and a distinctive mRNA pattern. <i>Molecular Reproduction and Development</i> , 2014 , 81, 31-41	2.6	11
132	Toward building the cow folliculome. <i>Animal Reproduction Science</i> , 2014 , 149, 90-7	2.1	6
131	Granulosa cell function and oocyte competence: Super-follicles, super-moms and super-stimulation in cattle. <i>Animal Reproduction Science</i> , 2014 , 149, 80-9	2.1	22
130	Transcriptome analysis of bovine granulosa cells of preovulatory follicles harvested 30, 60, 90, and 120 days postpartum. <i>Theriogenology</i> , 2014 , 82, 580-591.e5	2.8	10
129	Discovery, identification and sequence analysis of RNAs selected for very short or long poly A tail in immature bovine oocytes. <i>Molecular Human Reproduction</i> , 2014 , 20, 127-38	4.4	18

128	Cumulus cell gene expression associated with pre-ovulatory acquisition of developmental competence in bovine oocytes. <i>Reproduction, Fertility and Development</i> , 2014 , 26, 855-65	1.8	28
127	FSH in vitro versus LH in vivo: similar genomic effects on the cumulus. <i>Journal of Ovarian Research</i> , 2013 , 6, 68	5.5	11
126	Transcriptomic signature to oxidative stress exposure at the time of embryonic genome activation in bovine blastocysts. <i>Molecular Reproduction and Development</i> , 2013 , 80, 297-314	2.6	26
125	Gene expression analysis of bovine oocytes with high developmental competence obtained from FSH-stimulated animals. <i>Molecular Reproduction and Development</i> , 2013 , 80, 428-40	2.6	28
124	Evolutionary conservation of the oocyte transcriptome among vertebrates and its implications for understanding human reproductive function. <i>Molecular Human Reproduction</i> , 2013 , 19, 369-79	4.4	20
123	Effect of ovarian stimulation on oocyte gene expression in cattle. <i>Theriogenology</i> , 2012 , 77, 1928-38	2.8	41
122	Analysis of microRNAs and their precursors in bovine early embryonic development. <i>Molecular Human Reproduction</i> , 2012 , 18, 425-34	4.4	77
121	Gene expression analysis of bovine blastocysts produced by parthenogenic activation or fertilisation. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 591-602	1.8	6
120	Transcriptomic analysis of in vivo and in vitro produced bovine embryos revealed a developmental change in cullin 1 expression during maternal-to-embryonic transition. <i>Theriogenology</i> , 2011 , 75, 1582-95	2.8	25
119	Analysis of the gene expression pattern of bovine blastocysts at three stages of development. <i>Molecular Reproduction and Development</i> , 2011 , 78, 226-40	2.6	29
118	Combining resources to obtain a comprehensive survey of the bovine embryo transcriptome through deep sequencing and microarrays. <i>Molecular Reproduction and Development</i> , 2011 , 78, 651-64	2.6	86
117	Biomarkers of human oocyte developmental competence expressed in cumulus cells before ICSI: a preliminary study. <i>Journal of Assisted Reproduction and Genetics</i> , 2011 , 28, 173-88	3.4	63
116	Is aneuploidy a defense mechanism to prevent maternity later in a woman's life. <i>Journal of Assisted Reproduction and Genetics</i> , 2011 , 28, 209-10	3.4	3
115	Follicle environment and quality of in vitro matured oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , 2011 , 28, 483-8	3.4	57
114	Genomic assessment of follicular marker genes as pregnancy predictors for human IVF. <i>Molecular Human Reproduction</i> , 2010 , 16, 87-96	4.4	59
113	Providing a stable methodological basis for comparing transcript abundance of developing embryos using microarrays. <i>Molecular Human Reproduction</i> , 2010 , 16, 601-16	4.4	20
112	OMICS in assisted reproduction: possibilities and pitfalls. <i>Molecular Human Reproduction</i> , 2010 , 16, 513-24	4.4	96
111	Identification of follicular marker genes as pregnancy predictors for human IVF: new evidence for the involvement of luteinization process. <i>Molecular Human Reproduction</i> , 2010 , 16, 548-56	4.4	34

110	Gene expression profile of cumulus cells derived from cumulus-oocyte complexes matured either in vivo or in vitro. <i>Reproduction, Fertility and Development</i> , 2009 , 21, 451-61	1.8	73
109	Real-time monitoring of aRNA production during T7 amplification to prevent the loss of sample representation during microarray hybridization sample preparation. <i>Nucleic Acids Research</i> , 2009 , 37, e65	20.1	17
108	The dynamics of gene products fluctuation during bovine pre-hatching development. <i>Molecular Reproduction and Development</i> , 2009 , 76, 762-72	2.6	27
107	An environmentally relevant mixture of organochlorines, their metabolites and effects on preimplantation development of porcine embryos. <i>Reproductive Toxicology</i> , 2008 , 25, 361-6	3.4	8
106	Identification of potential markers of oocyte competence expressed in bovine cumulus cells matured with follicle-stimulating hormone and/or phorbol myristate acetate in vitro. <i>Biology of Reproduction</i> , 2008 , 79, 209-22	3.9	151
105	Identification of differentially expressed markers in human follicular cells associated with competent oocytes. <i>Human Reproduction</i> , 2008 , 23, 1118-27	5.7	179
104	Effect of an environmentally relevant metabolized organochlorine mixture on porcine cumulus-oocyte complexes. <i>Reproductive Toxicology</i> , 2007 , 23, 145-52	3.4	20
103	Large-scale transcriptional analysis of bovine embryo biopsies in relation to pregnancy success after transfer to recipients. <i>Physiological Genomics</i> , 2006 , 28, 84-96	3.6	180
102	Identification and characterization of a novel bovine oocyte-specific secreted protein gene. <i>Gene</i> , 2006 , 375, 44-53	3.8	9
101	Contribution of the oocyte to embryo quality. <i>Theriogenology</i> , 2006 , 65, 126-36	2.8	377
100	Maternal housekeeping proteins translated during bovine oocyte maturation and early embryo development. <i>Proteomics</i> , 2006 , 6, 3811-20	4.8	40
99	Evaluation of virus decontamination techniques for porcine embryos produced in vitro. <i>Theriogenology</i> , 2005 , 63, 2343-55	2.8	11
98	Expression of cyclin B1 messenger RNA isoforms and initiation of cytoplasmic polyadenylation in the bovine oocyte. <i>Biology of Reproduction</i> , 2005 , 72, 1037-44	3.9	53
97	Identification of novel and known oocyte-specific genes using complementary DNA subtraction and microarray analysis in three different species. <i>Biology of Reproduction</i> , 2005 , 73, 63-71	3.9	60
96	Transcription factor expression patterns in bovine in vitro-derived embryos prior to maternal-zygotic transition. <i>Biology of Reproduction</i> , 2004 , 70, 1701-9	3.9	95
95	Identification of porcine oocyte proteins that are associated with somatic cell nuclei after co-incubation. <i>Biology of Reproduction</i> , 2004 , 71, 1279-89	3.9	28
94	Origin of bovine follicular fluid and its effect during in vitro maturation on the developmental competence of bovine oocytes. <i>Theriogenology</i> , 2004 , 62, 1596-606	2.8	30
93	Localization of the chaperone proteins GRP78 and HSP60 on the luminal surface of bovine oviduct epithelial cells and their association with spermatozoa. <i>Biology of Reproduction</i> , 2004 , 71, 1879-89	3.9	68

92	Reversible changes in protein phosphorylation during germinal vesicle breakdown and pronuclear formation in bovine oocytes in vitro. <i>Zygote</i> , 2003 , 11, 119-29	1.6	5
91	Making recombinant proteins in animals--different systems, different applications. <i>Trends in Biotechnology</i> , 2003 , 21, 394-9	15.1	98
90	Quantification of histone acetyltransferase and histone deacetylase transcripts during early bovine embryo development. <i>Biology of Reproduction</i> , 2003 , 68, 383-9	3.9	86
89	Antioxidant requirements for bovine oocytes varies during in vitro maturation, fertilization and development. <i>Theriogenology</i> , 2003 , 59, 939-49	2.8	148
88	Effect of cycloheximide, 6-DMAP, roscovitine and butyrolactone I on resumption of meiosis in porcine oocytes. <i>Theriogenology</i> , 2003 , 60, 1049-58	2.8	56
87	Characterization and identification of epididymal factors that protect ejaculated bovine sperm during in vitro storage. <i>Biology of Reproduction</i> , 2002 , 66, 159-66	3.9	46
86	Quantification of cyclin B1 and p34(cdc2) in bovine cumulus-oocyte complexes and expression mapping of genes involved in the cell cycle by complementary DNA macroarrays. <i>Biology of Reproduction</i> , 2002 , 67, 1456-64	3.9	44
85	Effect of the absence or presence of various protein supplements on further development of bovine oocytes during in vitro maturation. <i>Biology of Reproduction</i> , 2002 , 66, 901-5	3.9	100
84	An environmentally relevant organochlorine mixture impairs sperm function and embryo development in the porcine model. <i>Biology of Reproduction</i> , 2002 , 67, 80-7	3.9	38
83	Effect of bovine oviduct epithelial cell apical plasma membranes on sperm function assessed by a novel flow cytometric approach. <i>Biology of Reproduction</i> , 2002 , 67, 1125-32	3.9	33
82	Manipulation of follicular development to produce developmentally competent bovine oocytes. <i>Biology of Reproduction</i> , 2002 , 66, 38-43	3.9	153
81	Effect of type 3 and type 4 phosphodiesterase inhibitors on the maintenance of bovine oocytes in meiotic arrest. <i>Biology of Reproduction</i> , 2002 , 66, 180-4	3.9	72
80	Quantification of housekeeping transcript levels during the development of bovine preimplantation embryos. <i>Biology of Reproduction</i> , 2002 , 67, 1465-72	3.9	169
79	The effects of 17beta-estradiol and protein supplement on the response to purified and recombinant follicle stimulating hormone in bovine oocytes. <i>Zygote</i> , 2002 , 10, 65-71	1.6	42
78	Reactive oxygen species-mediated loss of bovine sperm motility in egg yolk Tris extender: protection by pyruvate, metal chelators and bovine liver or oviductal fluid catalase. <i>Theriogenology</i> , 2002 , 57, 1105-22	2.8	86
77	Impaired maturation, fertilization, and embryonic development of porcine oocytes following exposure to an environmentally relevant organochlorine mixture. <i>Biology of Reproduction</i> , 2001 , 65, 554-60	3.9	70
76	Differential display and suppressive subtractive hybridization used to identify granulosa cell messenger rna associated with bovine oocyte developmental competence. <i>Biology of Reproduction</i> , 2001 , 64, 1812-20	3.9	65
75	The effect of heparin on motility parameters and protein phosphorylation during bovine sperm capacitation. <i>Theriogenology</i> , 2001 , 55, 823-35	2.8	59

74	The influence of cumulus-oocyte complex morphology and meiotic inhibitors on the kinetics of nuclear maturation in cattle. <i>Theriogenology</i> , 2001 , 55, 911-22	2.8	17
73	Resumption of meiosis: mechanism involved in meiotic progression and its relation with developmental competence. <i>Theriogenology</i> , 2001 , 55, 1241-54	2.8	120
72	The influence of cAMP before or during bovine oocyte maturation on embryonic developmental competence. <i>Theriogenology</i> , 2001 , 55, 1733-43	2.8	44
71	Thiols prevent H ₂ O ₂ -mediated loss of sperm motility in cryopreserved bull semen. <i>Theriogenology</i> , 2001 , 56, 275-86	2.8	209
70	Influence of oviductal cells and conditioned medium on porcine gametes. <i>Zygote</i> , 2000 , 8, 139-44	1.6	42
69	Ovulation and follicular growth in gonadotropin-treated gilts followed by in vitro fertilization and development of their oocytes. <i>Theriogenology</i> , 2000 , 53, 1421-37	2.8	8
68	Epithelial and stromal uterine cells cultured in vitro protect bovine sperm from hydrogen peroxide. <i>Theriogenology</i> , 2000 , 54, 355-69	2.8	15
67	Effect of growth factors and co-culture with ovarian medulla on the activation of primordial follicles in explants of bovine ovarian cortex. <i>Theriogenology</i> , 2000 , 54, 587-98	2.8	32
66	Seminal vesicle production and secretion of growth hormone into seminal fluid. <i>Nature Biotechnology</i> , 1999 , 17, 1087-90	44.5	25
65	Protein phosphorylation is essential for formation of male pronucleus in bovine oocytes. <i>Molecular Reproduction and Development</i> , 1999 , 52, 43-49	2.6	14
64	The time interval between FSH administration and ovarian aspiration influences the development of cattle oocytes. <i>Theriogenology</i> , 1999 , 51, 699-708	2.8	74
63	Protein phosphorylation in bovine oocytes following fertilisation and parthenogenetic activation in vitro. <i>Zygote</i> , 1999 , 7, 135-42	1.6	3
62	Controlling meiotic resumption in bovine oocytes: a review. <i>Theriogenology</i> , 1998 , 49, 483-97	2.8	58
61	Binding of a bovine oviductal fluid catalase to mammalian spermatozoa. <i>Biology of Reproduction</i> , 1998 , 58, 747-53	3.9	63
60	Oocyte quality and embryo production in cattle. <i>Canadian Journal of Animal Science</i> , 1998 , 78, 513-516	0.9	3
59	Effect of bovine follicular fluid from healthy and atretic follicles on follicle-stimulating hormone-induced production of estradiol by bovine granulosa cells cultured in vitro. <i>Journal of Animal Science</i> , 1998 , 76, 1172-7	0.7	5
58	Immunoneutralization of transforming growth factor alpha present in bovine follicular fluid prevents the suppression of the follicle-stimulating hormone-induced production of estradiol by bovine granulosa cells cultured in vitro. <i>Biology of Reproduction</i> , 1997 , 57, 341-6	3.9	17
57	Role of the cyclic adenosine monophosphate-dependent protein kinase in the control of meiotic resumption in bovine oocytes cultured with thecal cell monolayers. <i>Biology of Reproduction</i> , 1997 , 56, 1363-9	3.9	21

56	In vitro production of bovine embryos: developmental competence is acquired before maturation. <i>Theriogenology</i> , 1997 , 47, 1061-75	2.8	147
55	Effects of conditioned media on porcine embryos at different stages of development. <i>Theriogenology</i> , 1997 , 47, 1337-45	2.8	4
54	The time interval between FSH-P administration and slaughter can influence the developmental competence of beef heifer oocytes. <i>Theriogenology</i> , 1997 , 48, 803-13	2.8	49
53	Effects of follicular cells on oocyte maturation. II: Theca cell inhibition of bovine oocyte maturation in vitro. <i>Biology of Reproduction</i> , 1996 , 54, 22-8	3.9	77
52	In vitro development of embryos from superovulated gilts treated with the progesterone agonist, altrenogest (Regu-Mate) or the prostaglandin analogue, cloprostenol (Planate). <i>Theriogenology</i> , 1996 , 46, 1045-52	2.8	3
51	The effect of preincubation of frozen-thawed spermatozoa with oviductal cells on the in vitro penetration of porcine oocytes. <i>Theriogenology</i> , 1996 , 46, 1181-9	2.8	6
50	Superovulation can reduce the developmental competence of bovine embryos. <i>Theriogenology</i> , 1996 , 46, 1191-203	2.8	66
49	Effects of harvest methods of bovine oocytes co-cultured with follicular hemisections in vitro on nuclear maturation. <i>Theriogenology</i> , 1996 , 46, 1243-50	2.8	5
48	Oocyte maturation and IVF in cattle. <i>Animal Reproduction Science</i> , 1996 , 42, 417-426	2.1	96
47	Effect of steroids and oviductal cells, from the different parts of the oviduct, on the incidence of monospermy in porcine in vitro fertilization. <i>Theriogenology</i> , 1996 , 46, 449-58	2.8	5
46	Effect of progesterone and/or estradiol-17beta on sperm penetration in vitro of bovine oocytes. <i>Theriogenology</i> , 1996 , 46, 459-69	2.8	5
45	Effects of gonadotropin treatment on ovarian follicle growth, oocyte quality and in vitro fertilization of oocytes in prepubertal gilts. <i>Theriogenology</i> , 1996 , 46, 717-26	2.8	12
44	Modulation of postthaw motility, survival, calcium uptake, and fertility of bovine sperm by magnesium and manganese. <i>Journal of Dairy Science</i> , 1996 , 79, 2163-9	4	19
43	Follicle-stimulating hormone-induced estradiol and progesterone production by bovine antral and mural granulosa cells cultured in vitro in a completely defined medium. <i>Journal of Animal Science</i> , 1996 , 74, 3012-9	0.7	22
42	Protein synthesis is not required for male pronuclear formation in bovine zygotes. <i>Zygote</i> , 1996 , 4, 41-8	1.6	18
41	Analysis of atresia in bovine follicles using different methods: flow cytometry, enzyme-linked immunosorbent assay, and classic histology. <i>Biology of Reproduction</i> , 1996 , 54, 631-7	3.9	55
40	Effects of follicular cells on oocyte maturation. I: Effects of follicular hemisections on bovine oocyte maturation in vitro. <i>Biology of Reproduction</i> , 1996 , 54, 16-21	3.9	55
39	Resumption of meiosis is initiated by the accumulation of cyclin B in bovine oocytes. <i>Biology of Reproduction</i> , 1996 , 55, 1427-36	3.9	91

38	Fertilizing ability of bovine spermatozoa cocultured with oviduct epithelial cells. <i>Biology of Reproduction</i> , 1995 , 52, 156-62	3.9	56
37	Origin of the follicular fluid added to the media during bovine IVM influences embryonic development. <i>Theriogenology</i> , 1995 , 44, 85-94	2.8	21
36	Effects of estrous cycle, steroids and localization of oviductal cells on in vitro secretion of sperm motility factor(s). <i>Theriogenology</i> , 1995 , 44, 119-128	2.8	16
35	Oocyte and follicular morphology as determining characteristics for developmental competence in bovine oocytes. <i>Molecular Reproduction and Development</i> , 1995 , 41, 54-62	2.6	338
34	Effect of microinjection time during postfertilization S-phase on bovine embryonic development. <i>Molecular Reproduction and Development</i> , 1995 , 41, 184-94	2.6	20
33	Effect of coculturing spermatozoa with oviductal cells on the incidence of polyspermy in pig in vitro fertilization. <i>Molecular Reproduction and Development</i> , 1995 , 41, 360-7	2.6	26
32	Effects of different kinases and phosphatases on nuclear and cytoplasmic maturation of bovine oocytes. <i>Molecular Reproduction and Development</i> , 1995 , 42, 114-21	2.6	41
31	Capacitation in vitro of bovine spermatozoa by oviduct epithelial cell monolayer conditioned medium. <i>Molecular Reproduction and Development</i> , 1995 , 42, 318-24	2.6	35
30	Effects of cumulus cells and follicle-stimulating hormone during in vitro maturation on parthenogenetic activation of bovine oocytes. <i>Molecular Reproduction and Development</i> , 1995 , 42, 425-31	2.6	25
29	Effects of Inhibition of Meiotic Resumption upon the Subsequent Development of Bovine Oocytes In Vitro.. <i>Journal of Reproduction and Development</i> , 1995 , 41, 255-262	2.1	9
28	In vitro-cultured bovine granulosa and oviductal cells secrete sperm motility-maintaining factor(s). <i>Molecular Reproduction and Development</i> , 1994 , 37, 54-60	2.6	50
27	Effects of cumulus cells on male pronuclear formation and subsequent early development of bovine oocytes in vitro. <i>Theriogenology</i> , 1994 , 41, 1499-508	2.8	64
26	Manipulation of chromosome condensation by protein synthesis inhibitors and cyclic AMP during maturation of bovine oocytes. <i>Theriogenology</i> , 1994 , 41, 819-27	2.8	9
25	Influence of Follicular Wall on Meiotic Resumption of Bovine Oocytes When Cultured Inside or Outside Hemi-Sections.. <i>Journal of Reproduction and Development</i> , 1994 , 40, 125-132	2.1	15
24	The co-culture of cumulus-enclosed bovine oocytes and hemi-sections of follicles: Effects on meiotic resumption. <i>Theriogenology</i> , 1993 , 40, 933-42	2.8	25
23	Isolation of bovine herpesvirus-1 (BHV-1) and bovine viral diarrhea virus (BVDV) in association with the in vitro production of bovine embryos. <i>Theriogenology</i> , 1993 , 40, 531-8	2.8	68
22	Ontogeny and cellular localization of 125I-labeled insulin-like growth factor-I, 125I-labeled follicle-stimulating hormone, and 125I-labeled human chorionic gonadotropin binding sites in ovaries from bovine fetuses and neonatal calves. <i>Biology of Reproduction</i> , 1992 , 47, 814-22	3.9	72
21	Ontogeny and cellular localization of 125I-labeled basic fibroblast growth factor and 125I-labeled epidermal growth factor binding sites in ovaries from bovine fetuses and neonatal calves. <i>Biology of Reproduction</i> , 1992 , 47, 807-13	3.9	41

20	Differential response to gonadotropins and prostaglandin E2 in ovarian tissue during prenatal and postnatal development in cattle. <i>Biology of Reproduction</i> , 1992 , 46, 1034-41	3.9	19
19	The use of ejaculated boar semen after freezing in 2 or 6% glucerol for in vitro fertilization of porcine oocytes matured in vitro. <i>Theriogenology</i> , 1992 , 38, 1065-75	2.8	18
18	The effect of sera, bovine serum albumin and follicular cells on in vitro maturation and fertilization of porcine oocytes. <i>Theriogenology</i> , 1992 , 37, 779-90	2.8	52
17	Effect of fresh or cultured follicular fractions on meiotic resumption in bovine oocytes. <i>Theriogenology</i> , 1992 , 37, 39-57	2.8	47
16	Electroporation of bovine spermatozoa to carry foreign DNA in oocytes. <i>Molecular Reproduction and Development</i> , 1991 , 29, 6-15	2.6	79
15	The sex ratios of bovine embryos produced in vivo and in vitro. <i>Theriogenology</i> , 1991 , 36, 779-88	2.8	48
14	Ovarian morphological conditions and the effect of injection of human chorionic gonadotropin on ovulation rates in prepuberal gilts with two morphologically different ovarian types. <i>Journal of Animal Science</i> , 1991 , 69, 3774-9	0.7	17
13	Granulosa cells inhibit the resumption of meiosis in bovine oocytes in vitro. <i>Biology of Reproduction</i> , 1990 , 43, 777-83	3.9	63
12	Decreased binding of calmodulin to bull sperm proteins during heparin-induced capacitation. <i>Biology of Reproduction</i> , 1990 , 42, 483-9	3.9	26
11	Developmental potential of early bovine zygotes submitted to centrifugation and microinjection following in vitro maturation of oocytes. <i>Theriogenology</i> , 1990 , 34, 417-25	2.8	11
10	Temporary inhibition of meiosis resumption in vitro by adenylate cyclase stimulation in immature bovine oocytes. <i>Theriogenology</i> , 1990 , 33, 757-67	2.8	40
9	Timing of nuclear progression and protein synthesis necessary for meiotic maturation of bovine oocytes. <i>Biology of Reproduction</i> , 1989 , 40, 1257-63	3.9	244
8	Cytogenetic study of parthenogenetically activated bovine oocytes matured in vivo and in vitro. <i>Gamete Research</i> , 1988 , 20, 265-74		31
7	In vitro inhibition of oocyte nuclear maturation in the bovine. <i>Biology of Reproduction</i> , 1988 , 39, 229-34	3.9	136
6	The culture of bovine oocytes to obtain developmentally competent embryos. <i>Biology of Reproduction</i> , 1988 , 39, 546-52	3.9	241
5	In vitro fertilization of bovine oocytes matured in vivo and collected at laparoscopy. <i>Theriogenology</i> , 1986 , 25, 117-133	2.8	50
4	In vitro development of in vitro fertilized bovine follicular oocytes obtained by laparoscopy. <i>Animal Reproduction Science</i> , 1986 , 12, 21-29	2.1	4
3	Birth of calves after in vitro fertilisation using laparoscopy and rabbit oviduct incubation of zygotes. <i>Veterinary Record</i> , 1986 , 119, 167-9	0.9	38

2	In vitro fertilization of bovine follicular oocytes obtained by laparoscopy. <i>Biology of Reproduction</i> , 1985 , 33, 487-94	3.9	71
1	The effects of repeated laparoscopic surgery used for ovarian examination and follicular aspiration in cows. <i>Animal Reproduction Science</i> , 1985 , 9, 25-30	2.1	12