Patrick Blondin

List of Publications by Year
in descending order

39 papers	2,184 citations	304368 22 h-index	301761 39 g-index
39 all docs	39 docs citations	39 times ranked	1635 citing authors

#	Article	IF	Citations
1	Contribution of the oocyte to embryo quality. Theriogenology, 2006, 65, 126-136.	0.9	436
2	Oocyte and follicular morphology as determining characteristics for developmental competence in bovine oocytes. Molecular Reproduction and Development, 1995, 41, 54-62.	1.0	390
3	Manipulation of Follicular Development to Produce Developmentally Competent Bovine Oocytes1. Biology of Reproduction, 2002, 66, 38-43.	1.2	192
4	FSH withdrawal improves developmental competence of oocytes in the bovine model. Reproduction, 2012, 143, 165-171.	1.1	99
5	In Vitro Production of Embryos Alters Levels of Insulin-like Growth Factor-II Messenger Ribonucleic Acid in Bovine Fetuses 63 Days After Transfer1. Biology of Reproduction, 2000, 62, 384-389.	1.2	82
6	Changes in granulosa cells' gene expression associated with increased oocyte competence in bovine. Reproduction, 2013, 145, 555-565.	1.1	74
7	Enhanced early-life nutrition promotes hormone production and reproductive development in Holstein bulls. Journal of Dairy Science, 2015, 98, 987-998.	1.4	69
8	Analysis of Atresia in Bovine Follicles Using Different Methods: Flow Cytometry, Enzyme-Linked Immunosorbent Assay, and Classic Histology1. Biology of Reproduction, 1996, 54, 631-637.	1.2	62
9	Impact of the LH surge on granulosa cell transcript levels as markers of oocyte developmental competence in cattle. Reproduction, 2012, 143, 735-747.	1.1	51
10	Effect of cow age on the inÂvitro developmental competence of oocytes obtained after FSH stimulation and coasting treatments. Theriogenology, 2016, 86, 1240-1246.	0.9	51
11	Spermatozoa DNA methylation patterns differ due to peripubertal age in bulls. Theriogenology, 2018, 106, 21-29.	0.9	50
12	Enhanced early-life nutrition of Holstein bulls increases sperm production potential without decreasing postpubertal semen quality. Theriogenology, 2016, 86, 687-694.e2.	0.9	49
13	Transcriptional effect of the LH surge in bovine granulosa cells during the peri-ovulation period. Reproduction, 2011, 141, 193-205.	1.1	46
14	Development of Skeletal Muscle and Expression of Candidate Genes in Bovine Fetuses from Embryos Produced In Vivo or In Vitro1. Biology of Reproduction, 2002, 67, 401-408.	1.2	45
15	Effect of hormonal stimulation on bovine follicular response and oocyte developmental competence in a commercial operation. Theriogenology, 2006, 65, 102-115.	0.9	43
16	Impact of male fertility status on the transcriptome of the bovine epididymis. Molecular Human Reproduction, 2017, 23, 355-369.	1.3	39
17	The age of the bull influences the transcriptome and epigenome of blastocysts produced by IVF. Theriogenology, 2020, 144, 122-131.	0.9	36
18	Gene Expression Analysis of Bovine Oocytes With High Developmental Competence Obtained From FSHâ€Stimulated Animals. Molecular Reproduction and Development, 2013, 80, 428-440.	1.0	35

#	Article	IF	Citations
19	Binder of sperm 1 and epididymal sperm binding protein 1 are associated with different bull sperm subpopulations. Reproduction, 2012, 143, 759-771.	1.1	33
20	The effect of age and length of gonadotropin stimulation on the inÂvitro embryo development of Holstein calf oocytes. Theriogenology, 2017, 104, 87-93.	0.9	31
21	Transcriptome meta-analysis of three follicular compartments and its correlation with ovarian follicle maturity and oocyte developmental competence in cows. Physiological Genomics, 2016, 48, 633-643.	1.0	28
22	Contribution of oocyte source and culture conditions to phenotypic and transcriptomic variation in commercially produced bovine blastocysts. Theriogenology, 2012, 78, 116-131.e3.	0.9	25
23	Sperm miRNAsâ€" potential mediators of bull age and early embryo development. BMC Genomics, 2020, 21, 798.	1.2	24
24	Proteomic Markers of Functional Sperm Population in Bovines: Comparison of Low- and High-Density Spermatozoa Following Cryopreservation. Journal of Proteome Research, 2018, 17, 177-188.	1.8	23
25	Interval of gonadotropin administration for inÂvitro embryo production from oocytes collected from Holstein calves between 2 and 6 months of age by repeated laparoscopy. Theriogenology, 2018, 116, 64-70.	0.9	21
26	Proteomic markers of low and high fertility bovine spermatozoa separated by Percoll gradient. Molecular Reproduction and Development, 2019, 86, 999-1012.	1.0	21
27	Comprehensive cross production system assessment of the impact of in vitro microenvironment on the expression of messengers and long non-coding RNAs in the bovine blastocyst. Reproduction, 2011, 142, 99-112.	1.1	20
28	Gene expression analysis of bovine oocytes at optimal coasting time combined with GnRH antagonist during theÂno-FSH period. Theriogenology, 2014, 81, 1092-1100.	0.9	17
29	Transcriptomic evaluation of bovine blastocysts obtained from peri-pubertal oocyte donors. Theriogenology, 2017, 93, 111-123.	0.9	16
30	Preimplantation Genetic Testing for Aneuploidy Improves Live Birth Rates with In Vitro Produced Bovine Embryos: A Blind Retrospective Study. Cells, 2021, 10, 2284.	1.8	14
31	Cellular and molecular characterization of the impact of laboratory setup on bovine in vitro embryo production. Theriogenology, 2012, 77, 1767-1778.e1.	0.9	11
32	Genome-wide analysis of sperm DNA methylation from monozygotic twin bulls. Reproduction, Fertility and Development, 2017, 29, 838.	0.1	10
33	Specific imprinted genes demethylation in association with oocyte donorâ€™s age and culture conditions in bovine embryos assessed at day 7 and 12 post insemination. Theriogenology, 2020, 158, 321-330.	0.9	9
34	Comparative analysis of granulosa cell gene expression in association with oocyte competence in FSH-stimulated Holstein cows. Reproduction, Fertility and Development, 2017, 29, 2324.	0.1	8
35	ASAS-SSR Triennial Reproduction Symposium: The use of natural cycleâ€™s follicular dynamic to improve oocyte quality in dairy cows and heifers1,2. Journal of Animal Science, 2018, 96, 2971-2976.	0.2	7
36	Influence of luteinizing hormone support on granulosa cells transcriptome in cattle. Animal Science Journal, 2018, 89, 21-30.	0.6	6

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37	Effect of heifer age on the granulosa cell transcriptome after ovarian stimulation. Reproduction, Fertility and Development, 2018, 30, 980.	0.1	4
38	DNA methylation status of bovine blastocysts obtained from peripubertal oocyte donors. Molecular Reproduction and Development, 2020, 87, 910-924.	1.0	4
39	The use of adenosine to inhibit oocyte meiotic resumption in Bos taurus during pre-IVM and its potential to improve oocyte competence. Theriogenology, 2020, 142, 207-215.	0.9	3