Pablo Bermejo-lvarez

List of Publications by Citations

46 papers	2,123 citations	24 h-index	46 g-index
51 ext. papers	2,437 ext. citations	3.5 avg, IF	4.64 L-index

#	Paper	IF	Citations
46	Long-term effects of mouse intracytoplasmic sperm injection with DNA-fragmented sperm on health and behavior of adult offspring. *Biology of Reproduction*, **2008**, 78, 761-72	3.9	263
45	Sex determines the expression level of one third of the actively expressed genes in bovine blastocysts. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 3394-9	11.5	227
44	Elevated non-esterified fatty acid concentrations during bovine oocyte maturation compromise early embryo physiology. *PLoS ONE*, **2011**, 6, e23183	3.7	172
43	Epigenetic differences between male and female bovine blastocysts produced in vitro. *Physiological Genomics*, **2008**, 32, 264-72	3.6	146
42	Consequences of in vitro culture conditions on embryo development and quality. *Reproduction in Domestic Animals*, **2008**, 43 Suppl 4, 44-50	1.6	118
41	Transcriptional sexual dimorphism during preimplantation embryo development and its consequences for developmental competence and adult health and disease. *Reproduction*, **2011**, 141, 563-70	3.8	88
40	Effect of bovine oviductal extracellular vesicles on embryo development and quality. *Reproduction*, **2017**, 153, 461-470	3.8	75
39	Developmental kinetics and gene expression in male and female bovine embryos produced in vitro with sex-sorted spermatozoa. *Reproduction, Fertility and Development*, **2010**, 22, 426-36	1.8	59
38	Can bovine in vitro-matured oocytes selectively process X- or Y-sorted sperm differentially?. *Biology of Reproduction*, **2008**, 79, 594-7	3.9	59
37	Low oxygen tension during IVM improves bovine oocyte competence and enhances anaerobic glycolysis. *Reproductive BioMedicine Online*, **2010**, 20, 341-9	4	57
36	Effect of maternal obesity on estrous cyclicity, embryo development and blastocyst gene expression in a mouse model. *Human Reproduction*, **2012**, 27, 3513-22	5.7	55
35	Long-term and transgenerational effects of in vitro culture on mouse embryos. *Theriogenology*, **2012**, 77, 785-93	2.8	53
34	Transcriptional sexual dimorphism in elongating bovine embryos: implications for XCI and sex determination genes. *Reproduction*, **2011**, 141, 801-8	3.8	51
33	Amino acid metabolism of bovine blastocysts: a biomarker of sex and viability. *Molecular Reproduction and Development*, **2010**, 77, 285-96	2.6	50
32	Biological differences between in vitro produced bovine embryos and parthenotes. *Reproduction*, **2009**, 137, 285-95	3.8	47
31	Effect of bovine oviductal fluid on development and quality of bovine embryos produced in vitro. *Reproduction, Fertility and Development*, **2017**, 29, 621-629	1.8	41
30	Effect of glucose concentration during in vitro culture of mouse embryos on development to blastocyst, success of embryo transfer, and litter sex ratio. *Molecular Reproduction and Development*, **2012**, 79, 329-36	2.6	38

29	Spermatozoa telomeres determine telomere length in early embryos and offspring. *Reproduction*, **2016**, 151, 1-7	3.8	34
28	Effect of leptin supplementation during in vitro oocyte maturation and embryo culture on bovine embryo development and gene expression patterns. *Theriogenology*, **2011**, 75, 887-96	2.8	34
27	Strategies to reduce genetic mosaicism following CRISPR-mediated genome edition in bovine embryos. *Scientific Reports*, **2019**, 9, 14900	4.9	27
26	Single in vitro bovine embryo production: coculture with autologous cumulus cells, developmental competence, embryo quality and gene expression profiles. *Theriogenology*, **2011**, 76, 1293-303	2.8	26
25	Sex-specific embryonic origin of postnatal phenotypic variability. *Reproduction, Fertility and Development*, **2012**, 25, 38-47	1.8	25
24	CRISPR is knocking on barn door. *Reproduction in Domestic Animals*, **2017**, 52 Suppl 4, 39-47	1.6	24
23	TMEM95 is a sperm membrane protein essential for mammalian fertilization. *ELife*, **2020**, 9,	8.9	24
22	Intergenerational transmission of the positive effects of physical exercise on brain and cognition. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 10103-10112	11.5	22
21	Early sex-dependent differences in response to environmental stress. *Reproduction*, **2018**, 155, R39-R51	3.8	21
20	Gene expression in early expanded parthenogenetic and in vitro fertilized bovine blastocysts. *Journal of Reproduction and Development*, **2009**, 55, 607-14	2.1	21
19	Effect of duration of oocyte maturation on the kinetics of cleavage, embryo yield and sex ratio in cattle. *Reproduction, Fertility and Development*, **2008**, 20, 734-40	1.8	21
18	ZP4 confers structural properties to the zona pellucida essential for embryo development. *ELife*, **2019**, 8,	8.9	19
17	Intrafollicular testosterone concentration and sex ratio in individually cultured bovine embryos. *Reproduction, Fertility and Development*, **2010**, 22, 533-8	1.8	17
16	Changes in testosterone or temperature during the in vitro oocyte culture do not alter the sex ratio of bovine embryos. *Journal of Experimental Zoology*, **2009**, 311, 448-52		16
15	Acute fasting before conception affects metabolic and endocrine status without impacting follicle and oocyte development and embryo gene expression in the rabbit. *Reproduction, Fertility and Development*, **2011**, 23, 759-68	1.8	16
14	Potential Health Risks Associated to ICSI: Insights from Animal Models and Strategies for a Safe Procedure. *Frontiers in Public Health*, **2014**, 2, 241	6	15
13	Solving the "X" in embryos and stem cells. *Stem Cells and Development*, **2012**, 21, 1215-24	4.4	15
12	Mitochondrial and metabolic adjustments during the final phase of follicular development prior to IVM of bovine oocytes. *Theriogenology*, **2018**, 119, 156-162	2.8	14

11	Effect of leptin during in vitro maturation of prepubertal calf oocytes: embryonic development and relative mRNA abundances of genes involved in apoptosis and oocyte competence. *Theriogenology*, **2011**, 76, 1706-15	2.8	14
10	Tet-mediated imprinting erasure in H19 locus following reprogramming of spermatogonial stem cells to induced pluripotent stem cells. *Scientific Reports*, **2015**, 5, 13691	4.9	12
9	RS-1 enhances CRISPR-mediated targeted knock-in in bovine embryos. *Molecular Reproduction and Development*, **2020**, 87, 542-549	2.6	11
8	Utero-tubal embryo transfer and vasectomy in the mouse model. *Journal of Visualized Experiments*, **2014**, e51214	1.6	9
7	Directions and applications of CRISPR technology in livestock research. *Animal Reproduction*, **2018**, 15, 292-300	1.7	6
6	Embryonic disc formation following post-hatching bovine embryo development in vitro. *Reproduction*, **2020**, 160, 579-589	3.8	5
5	Generation of Nonmosaic, Two-Pore Channel 2 Biallelic Knockout Pigs in One Generation by CRISPR-Cas9 Microinjection Before Oocyte Insemination. *CRISPR Journal*, **2021**, 4, 132-146	2.5	5
4	New challenges in the analysis of gene transcription in bovine blastocysts. *Reproduction in Domestic Animals*, **2011**, 46 Suppl 3, 2-10	1.6	4
3	Lineage Differentiation Markers as a Proxy for Embryo Viability in Farm Ungulates. *Frontiers in Veterinary Science*, **2021**, 8, 680539	3.1	3
2	Micro-Array Analysis Reveals That One Third of the Genes Actively Expressed Are Differentially Expressed Between Male and Female Bovine Blastocysts.. *Biology of Reproduction*, **2009**, 81, 40-40	3.9	2
1	Can Bovine In Vitro Matured Oocytes Process Differentially X- or Y-bearing Spermatozoa?. *Biology of Reproduction*, **2008**, 78, 100-100	3.9	