

Pablo Bermejo-Ivarez

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.

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	Lineage Differentiation Markers as a Proxy for Embryo Viability in Farm Ungulates. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 680539	3.1	3
45	Generation of Nonmosaic, Two-Pore Channel 2 Biallelic Knockout Pigs in One Generation by CRISPR-Cas9 Microinjection Before Oocyte Insemination. <i>CRISPR Journal</i> , 2021 , 4, 132-146	2.5	5
44	RS-1 enhances CRISPR-mediated targeted knock-in in bovine embryos. <i>Molecular Reproduction and Development</i> , 2020 , 87, 542-549	2.6	11
43	Embryonic disc formation following post-hatching bovine embryo development in vitro. <i>Reproduction</i> , 2020 , 160, 579-589	3.8	5
42	TMEM95 is a sperm membrane protein essential for mammalian fertilization. <i>ELife</i> , 2020 , 9,	8.9	24
41	Intergenerational transmission of the positive effects of physical exercise on brain and cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10103-10112	11.5	22
40	Strategies to reduce genetic mosaicism following CRISPR-mediated genome edition in bovine embryos. <i>Scientific Reports</i> , 2019 , 9, 14900	4.9	27
39	ZP4 confers structural properties to the zona pellucida essential for embryo development. <i>ELife</i> , 2019 , 8,	8.9	19
38	Early sex-dependent differences in response to environmental stress. <i>Reproduction</i> , 2018 , 155, R39-R51	3.8	21
37	Mitochondrial and metabolic adjustments during the final phase of follicular development prior to IVM of bovine oocytes. <i>Theriogenology</i> , 2018 , 119, 156-162	2.8	14
36	Directions and applications of CRISPR technology in livestock research. <i>Animal Reproduction</i> , 2018 , 15, 292-300	1.7	6
35	Effect of bovine oviductal fluid on development and quality of bovine embryos produced in vitro. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 621-629	1.8	41
34	Effect of bovine oviductal extracellular vesicles on embryo development and quality. <i>Reproduction</i> , 2017 , 153, 461-470	3.8	75
33	CRISPR is knocking on barn door. <i>Reproduction in Domestic Animals</i> , 2017 , 52 Suppl 4, 39-47	1.6	24
32	Spermatozoa telomeres determine telomere length in early embryos and offspring. <i>Reproduction</i> , 2016 , 151, 1-7	3.8	34
31	Tet-mediated imprinting erasure in H19 locus following reprogramming of spermatogonial stem cells to induced pluripotent stem cells. <i>Scientific Reports</i> , 2015 , 5, 13691	4.9	12
30	Utero-tubal embryo transfer and vasectomy in the mouse model. <i>Journal of Visualized Experiments</i> , 2014 , e51214	1.6	9

29	Potential Health Risks Associated to ICSI: Insights from Animal Models and Strategies for a Safe Procedure. <i>Frontiers in Public Health</i> , 2014 , 2, 241	6	15
28	Long-term and transgenerational effects of in vitro culture on mouse embryos. <i>Theriogenology</i> , 2012 , 77, 785-93	2.8	53
27	Solving the "X" in embryos and stem cells. <i>Stem Cells and Development</i> , 2012 , 21, 1215-24	4.4	15
26	Effect of glucose concentration during in vitro culture of mouse embryos on development to blastocyst, success of embryo transfer, and litter sex ratio. <i>Molecular Reproduction and Development</i> , 2012 , 79, 329-36	2.6	38
25	Sex-specific embryonic origin of postnatal phenotypic variability. <i>Reproduction, Fertility and Development</i> , 2012 , 25, 38-47	1.8	25
24	Effect of maternal obesity on estrous cyclicity, embryo development and blastocyst gene expression in a mouse model. <i>Human Reproduction</i> , 2012 , 27, 3513-22	5.7	55
23	Effect of leptin supplementation during in vitro oocyte maturation and embryo culture on bovine embryo development and gene expression patterns. <i>Theriogenology</i> , 2011 , 75, 887-96	2.8	34
22	Single in vitro bovine embryo production: coculture with autologous cumulus cells, developmental competence, embryo quality and gene expression profiles. <i>Theriogenology</i> , 2011 , 76, 1293-303	2.8	26
21	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. <i>Theriogenology</i> , 2011 , 76, 1706-15	2.8	14
20	New challenges in the analysis of gene transcription in bovine blastocysts. <i>Reproduction in Domestic Animals</i> , 2011 , 46 Suppl 3, 2-10	1.6	4
19	Transcriptional sexual dimorphism in elongating bovine embryos: implications for XCI and sex determination genes. <i>Reproduction</i> , 2011 , 141, 801-8	3.8	51
18	Transcriptional sexual dimorphism during preimplantation embryo development and its consequences for developmental competence and adult health and disease. <i>Reproduction</i> , 2011 , 141, 563-70	3.8	88
17	Acute fasting before conception affects metabolic and endocrine status without impacting follicle and oocyte development and embryo gene expression in the rabbit. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 759-68	1.8	16
16	Elevated non-esterified fatty acid concentrations during bovine oocyte maturation compromise early embryo physiology. <i>PLoS ONE</i> , 2011 , 6, e23183	3.7	172
15	Sex determines the expression level of one third of the actively expressed genes in bovine blastocysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3394-9	11.5	227
14	Developmental kinetics and gene expression in male and female bovine embryos produced in vitro with sex-sorted spermatozoa. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 426-36	1.8	59
13	Low oxygen tension during IVM improves bovine oocyte competence and enhances anaerobic glycolysis. <i>Reproductive BioMedicine Online</i> , 2010 , 20, 341-9	4	57
12	Intrafollicular testosterone concentration and sex ratio in individually cultured bovine embryos. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 533-8	1.8	17

11	Amino acid metabolism of bovine blastocysts: a biomarker of sex and viability. <i>Molecular Reproduction and Development</i> , 2010 , 77, 285-96	2.6	50
10	Biological differences between in vitro produced bovine embryos and parthenotes. <i>Reproduction</i> , 2009 , 137, 285-95	3.8	47
9	Changes in testosterone or temperature during the in vitro oocyte culture do not alter the sex ratio of bovine embryos. <i>Journal of Experimental Zoology</i> , 2009 , 311, 448-52		16
8	Gene expression in early expanded parthenogenetic and in vitro fertilized bovine blastocysts. <i>Journal of Reproduction and Development</i> , 2009 , 55, 607-14	2.1	21
7	Micro-Array Analysis Reveals That One Third of the Genes Actively Expressed Are Differentially Expressed Between Male and Female Bovine Blastocysts.. <i>Biology of Reproduction</i> , 2009 , 81, 40-40	3.9	2
6	Consequences of in vitro culture conditions on embryo development and quality. <i>Reproduction in Domestic Animals</i> , 2008 , 43 Suppl 4, 44-50	1.6	118
5	Epigenetic differences between male and female bovine blastocysts produced in vitro. <i>Physiological Genomics</i> , 2008 , 32, 264-72	3.6	146
4	Can bovine in vitro-matured oocytes selectively process X- or Y-sorted sperm differentially?. <i>Biology of Reproduction</i> , 2008 , 79, 594-7	3.9	59
3	Long-term effects of mouse intracytoplasmic sperm injection with DNA-fragmented sperm on health and behavior of adult offspring. <i>Biology of Reproduction</i> , 2008 , 78, 761-72	3.9	263
2	Effect of duration of oocyte maturation on the kinetics of cleavage, embryo yield and sex ratio in cattle. <i>Reproduction, Fertility and Development</i> , 2008 , 20, 734-40	1.8	21
1	Can Bovine In Vitro Matured Oocytes Process Differentially X- or Y-bearing Spermatozoa?. <i>Biology of Reproduction</i> , 2008 , 78, 100-100	3.9	