Marcella Pecora Milazzotto

List of Publications by Year
in descending order

43	583	566801 15	713013 21
papers	citations	h-index	g-index

46	46	46	840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide screening of DNA methylation in bovine blastocysts with different kinetics of development. Epigenetics and Chromatin, 2018, 11, 1.	1.8	56
2	Comprehensive lipid profiling of early stage oocytes and embryos by MRM profiling. Journal of Mass Spectrometry, 2018, 53, 1247-1252.	0.7	42
3	Early cleavages influence the molecular and the metabolic pattern of individually cultured bovine blastocysts. Molecular Reproduction and Development, 2016, 83, 324-336.	1.0	36
4	Oxidative Stress Alters the Profile of Transcription Factors Related to Early Development on In Vitro Produced Embryos. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-14.	1.9	34
5	In vitro maturation of pig oocytes with different media, hormone and meiosis inhibitors. Animal Reproduction Science, 2007, 97, 375-381.	0.5	32
6	The effects of crocetin supplementation on the blastocyst outcome, transcriptomic and metabolic profile of inÂvitro produced bovine embryos. Theriogenology, 2019, 123, 30-36.	0.9	24
7	The dynamics between in vitro culture and metabolism: embryonic adaptation to environmental changes. Scientific Reports, 2020, 10, 15672.	1.6	22
8	Exogenous DNA uptake by bovine spermatozoa does not induce DNA fragmentation. Theriogenology, 2010, 74, 563-568.	0.9	21
9	Effects of photobiomodulation therapy (PBMT) on bovine sperm function. Lasers in Medical Science, 2016, 31, 1245-1250.	1.0	21
10	Effects of Serum Deprivation and Cycloheximide on Cell Cycle of Low and High Passage Porcine Fetal Fibroblasts. Reproduction in Domestic Animals, 2007, 42, 660-663.	0.6	20
11	Low-level laser therapy on MCF-7 cells: a micro-Fourier transform infrared spectroscopy study. Journal of Biomedical Optics, 2012, 17, 1015161.	1.4	20
12	Influence of follicle size on bovine oocyte lipid composition, follicular metabolic and stress markers, embryo development and blastocyst lipid content. Reproduction, Fertility and Development, 2019, 31, 462.	0.1	18
13	Bovine sperm cells viability during incubation with or without exogenous DNA. Zygote, 2009, 17, 315-320.	0.5	17
14	Tricarboxylic Acid Cycle Metabolites as Mediators of DNA Methylation Reprogramming in Bovine Preimplantation Embryos. International Journal of Molecular Sciences, 2020, 21, 6868.	1.8	16
15	Efficient Condensation of DNA into Environmentally Responsive Polyplexes Produced from Block Catiomers Carrying Amine or Diamine Groups. Langmuir, 2016, 32, 577-586.	1.6	15
16	Erasing gametes to write blastocysts: metabolism as the new player in epigenetic reprogramming. Animal Reproduction, 2020, 17, e20200015.	0.4	15
17	Photobiological effect of low-level laser irradiation in bovine embryo production system. Journal of Biomedical Optics, 2014, 19, 035006.	1.4	13
18	Morphokinetic-related response to stress in individually cultured bovine embryos. Theriogenology, 2016, 86, 1308-1317.	0.9	13

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19	Lipid characterization of in vitro-produced bovine embryos with distinct kinetics of development. Zygote, 2019, 27, 413-422.	0.5	13
20	Myostatin gene knockdown through lentiviral-mediated delivery of shRNA for in vitro production of transgenic bovine embryos. Zygote, 2010, 18, 339-344.	0.5	12
21	Collection and evaluation of semen from the three-toed sloth (Bradypus tridactylus). Tissue and Cell, 2008, 40, 325-331.	1.0	11
22	Rapid and noninvasive technique to assess the metabolomics profile of bovine embryos produced in vitro by Raman spectroscopy. Biomedical Optics Express, 2015, 6, 2830.	1.5	11
23	Raman-based noninvasive metabolic profile evaluation ofin vitrobovine embryos. Journal of Biomedical Optics, 2016, 21, 075002.	1.4	11
24	Less is more: Reduced nutrient concentration during inÂvitro culture improves embryo production rates and morphophysiology of bovine embryos. Theriogenology, 2021, 173, 37-47.	0.9	10
25	Cell viability of bovine spermatozoa subjected to DNA electroporation and DNAse I treatment. Theriogenology, 2016, 85, 1312-1322.	0.9	8
26	Follicular environment as a predictive tool for embryo development and kinetics in cattle. Reproduction, Fertility and Development, 2019, 31, 451.	0.1	7
27	Metabolism-driven post-translational modifications of H3K9 in early bovine embryos. Reproduction, 2021, 162, 181-191.	1.1	7
28	Effect of Chemical or Electrical Activation of Bovine Oocytes on Blastocyst Development and Quality. Reproduction in Domestic Animals, 2008, 43, 319-322.	0.6	6
29	Sperm-mediated gene transfer: effect on bovine in vitro embryo production. Zygote, 2013, 21, 325-329.	0.5	6
30	Polymorphisms in the bovine follicle-stimulating hormone receptor gene. Animal Genetics, 2000, 31, 280-281.	0.6	6
31	The Mechanism of Oocyte Activation Influences the Cell Cycleâ€“Related Genes Expression During Bovine Preimplantation Development. Cellular Reprogramming, 2012, 14, 418-424.	0.5	5
32	Noninvasive characterization of metabolites secreted in culture media by bovine embryos during in vitro production. Metabolomics, 2016, 12, 1.	1.4	5
33	Biochemical markers for pregnancy in the spent culture medium of in vitro produced bovine embryos. Biology of Reproduction, 2021, 105, 481-490.	1.2	5
34	Mining RNAseq data reveals dynamic metaboloepigenetic profiles in human, mouse and bovine pre-implantation embryos. IScience, 2022, 25, 103904.	1.9	5
35	Effective individual culture system for in vitro production of bovine embryos. Brazilian Journal of Veterinary Research and Animal Science, 2017, 54, 209.	0.2	4
36	Silencing mark H3K27me3 is differently reprogrammed in bovine embryos with distinct kinetics of development. Reproduction in Domestic Animals, 2021, , .	0.6	4

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37	Comparison of different methods for exogenous DNA uptake by bovine spermatozoa. Brazilian Journal of Veterinary Research and Animal Science, 2015, 52, 78.	0.2	3
38	Changes in fertilization medium viscosity using hyaluronic acid impact bull sperm motility and acrosome status. Reproduction in Domestic Animals, 2020, 55, 974-983.	0.6	3
39	Receptores de estrÃ³geno e ocitocina no corpo lÃºteo durante a gestaÃ§Ã£o e parto em cadelas. Brazilian Journal of Veterinary Research and Animal Science, 2015, 51, 346.	0.2	1
40	Correlation of Oxytocin (OTR) and Estrogen Receptor (ER) mRNA in the Canine Placenta with the Detected Circulating Levels of Oxytocin and Estrogen during Pregnancy and Parturition. American Journal of Animal and Veterinary Sciences, 2016, 11, 11-17.	0.2	1
41	Paternal effect does not affect inÂvitro embryo morphokinetics but modulates molecular profile. Theriogenology, 2022, 178, 30-39.	0.9	1
42	DNA sequence, polymorphism, and mapping of luteinizing hormone receptor fragment (LHCGR) gene in Great Dane dogs. Animal Genetics, 2004, 35, 74-75.	0.6	0
43	Vibrational spectroscopy characterization of low level laser therapy on mammary culture cells: a micro-FTIR study. Proceedings of SPIE, 2011, , .	0.8	0