Marcelo Fbio Gouveia Nogueira

List of Publications by Citations

63 papers	**1,674** citations
17 h-index	**40** g-index
81 ext. papers	**2,029** ext. citations
3 avg, IF	**4.01** L-index

#	Paper	IF	Citations
63	The genome sequence of taurine cattle: a window to ruminant biology and evolution. *Science*, **2009**, 324, 522-8	33.3	863
62	Superovulation and embryo transfer in Bos indicus cattle. *Theriogenology*, **2006**, 65, 77-88	2.8	72
61	Pre-hatching embryo-dependent and -independent programming of endometrial function in cattle. *PLoS ONE*, **2017**, 12, e0175954	3.7	55
60	Expression of LH receptor mRNA splice variants in bovine granulosa cells: changes with follicle size and regulation by FSH in vitro. *Molecular Reproduction and Development*, **2007**, 74, 680-6	2.6	45
59	Supplementation with small-extracellular vesicles from ovarian follicular fluid during in vitro production modulates bovine embryo development. *PLoS ONE*, **2017**, 12, e0179451	3.7	43
58	Embryo transfer in Bos indicus cattle. *Theriogenology*, **2001**, 56, 1483-96	2.8	40
57	A Method Based on Artificial Intelligence To Fully Automatize The Evaluation of Bovine Blastocyst Images. *Scientific Reports*, **2017**, 7, 7659	4.9	33
56	Genome-wide screening of DNA methylation in bovine blastocysts with different kinetics of development. *Epigenetics and Chromatin*, **2018**, 11, 1	5.8	29
55	Methods for assessing the quality of mammalian embryos: How far we are from the gold standard?. *Jornal Brasileiro De Reproducao Assistida*, **2016**, 20, 150-8	1.7	27
54	Involvement of miRNAs and Cell-Secreted Vesicles in Mammalian Ovarian Antral Follicle Development. *Reproductive Sciences*, **2015**, 22, 1474-83	3	26
53	Do high progesterone concentrations decrease pregnancy rates in embryo recipients synchronized with PGF2alpha and eCG?. *Theriogenology*, **2004**, 61, 1283-90	2.8	25
52	maturation impacts cumulus-oocyte complex metabolism and stress in cattle. *Reproduction*, **2017**, 154, 881-893	3.8	23
51	Oxidative Stress Alters the Profile of Transcription Factors Related to Early Development on Produced Embryos. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 1502489	6.7	22
50	Effect of superstimulatory treatments on the expression of genes related to ovulatory capacity, oocyte competence and embryo development in cattle. *Reproduction, Fertility and Development*, **2012**, 25, 17-25	1.8	20
49	Embryo recovery and pregnancy rates after the delay of ovulation and fixed time insemination in superstimulated beef cows. *Theriogenology*, **2002**, 57, 1625-34	2.8	20
48	Ovulation rate and its relationship with follicle diameter and gene expression of the LH receptor (LHR) in Nelore cows. *Theriogenology*, **2012**, 77, 139-47	2.8	18
47	Use of knowledge regarding LH receptors to improve superstimulatory treatments in cattle. *Reproduction, Fertility and Development*, **2010**, 22, 132-7	1.8	17

46	A method using artificial neural networks to morphologically assess mouse blastocyst quality. *Journal of Animal Science and Technology*, **2014**, 56, 15	1.6	16
45	Antioxidant responses and deregulation of epigenetic writers and erasers link oxidative stress and DNA methylation in bovine blastocysts. *Molecular Reproduction and Development*, **2017**, 84, 1296-1305	2.6	15
44	Automatized image processing of bovine blastocysts produced in vitro for quantitative variable determination. *Scientific Data*, **2017**, 4, 170192	8.2	15
43	Heat shock proteins (HSP): dermatological implications and perspectives. *European Journal of Dermatology*, **2012**, 22, 8-13	0.8	15
42	Extracellular vesicles of follicular fluid from heat-stressed cows modify the gene expression of in vitro-matured oocytes. *Animal Reproduction Science*, **2019**, 205, 94-104	2.1	14
41	Artificial intelligence in the IVF laboratory: overview through the application of different types of algorithms for the classification of reproductive data. *Journal of Assisted Reproduction and Genetics*, **2020**, 37, 2359-2376	3.4	14
40	Autophagy is a pro-survival adaptive response to heat shock in bovine cumulus-oocyte complexes. *Scientific Reports*, **2020**, 10, 13711	4.9	14
39	Number of oocytes retrieved per donor during OPU and its relationship with in vitro embryo production and field fertility following embryo transfer. *Animal Reproduction*, **2017**, 14, 635-644	1.7	13
38	Effect of superstimulation on the expression of microRNAs and genes involved in steroidogenesis and ovulation in Nelore cows. *Theriogenology*, **2018**, 110, 192-200	2.8	12
37	The effects of crocetin supplementation on the blastocyst outcome, transcriptomic and metabolic profile of in vitro produced bovine embryos. *Theriogenology*, **2019**, 123, 30-36	2.8	12
36	Ovarian superstimulation using FSH combined with equine chorionic gonadotropin (eCG) upregulates mRNA-encoding proteins involved with LH receptor intracellular signaling in granulosa cells from Nelore cows. *Theriogenology*, **2014**, 82, 1199-205	2.8	12
35	Supplementing in vitro embryo production media by NPPC and sildenafil affect the cytoplasmic lipid content and gene expression of bovine cumulus-oocyte complexes and embryos. *Reproductive Biology*, **2018**, 18, 66-75	2.3	11
34	Modulation of long-chain Acyl-CoA synthetase on the development, lipid deposit and cryosurvival of in vitro produced bovine embryos. *PLoS ONE*, **2019**, 14, e0220731	3.7	10
33	Treatment with cyclic adenosine monophosphate modulators prior to in vitro maturation alters the lipid composition and transcript profile of bovine cumulus-oocyte complexes and blastocysts. *Reproduction, Fertility and Development*, **2018**, 30, 1314-1328	1.8	10
32	Lipid profiles of follicular fluid from cows submitted to ovarian superstimulation. *Theriogenology*, **2017**, 94, 64-70	2.8	9
31	An artificial intelligence model based on the proteomic profile of euploid embryos and blastocyst morphology: a preliminary study. *Reproductive BioMedicine Online*, **2021**, 42, 340-350	4	8
30	Bona fide gene expression analysis of samples from the bovine reproductive system by microfluidic platform. *Analytical Biochemistry*, **2020**, 596, 113641	3.1	7
29	New approaches regarding the in vitro maturation of oocytes: manipulating cyclic nucleotides and their partners in crime. *Jornal Brasileiro De Reproducao Assistida*, **2017**, 21, 35-44	1.7	7

28	Genetic Parameters and Genome-Wide Association Studies for Anti-Müllerian Hormone Levels and Antral Follicle Populations Measured After Estrus Synchronization in Nellore Cattle. *Animals*, **2020**, 10,	3.1	7
27	The effect of type of vaginal insert and dose of pLH on embryo production, following fixed-time AI in a progestin-based superstimulatory protocol in Nelore cattle. *Theriogenology*, **2007**, 67, 655-60	2.8	6
26	Tricarboxylic Acid Cycle Metabolites as Mediators of DNA Methylation Reprogramming in Bovine Preimplantation Embryos. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
25	The dynamics between in vitro culture and metabolism: embryonic adaptation to environmental changes. *Scientific Reports*, **2020**, 10, 15672	4.9	6
24	Simulated physiological oocyte maturation has side effects on bovine oocytes and embryos. *Journal of Assisted Reproduction and Genetics*, **2019**, 36, 413-424	3.4	6
23	Application of artificial intelligence technology to increase the efficacy of embryo selection and prediction of live birth using human blastocysts cultured in a time-lapse incubator. *Fertility and Sterility*, **2018**, 110, e372-e373	4.8	5
22	Can extracellular vesicles from bovine ovarian follicular fluid modulate the in-vitro oocyte meiosis progression similarly to the CNP-NPR2 system?. *Theriogenology*, **2020**, 157, 210-217	2.8	4
21	Ovarian follicular dynamics, progesterone concentrations, pregnancy rates and transcriptional patterns in Bos indicus females with a high or low antral follicle count. *Scientific Reports*, **2020**, 10, 19557	4.9	4
20	Differences in embryonic gene expression and quality indicate the benefit of epidermal growth factor receptor inhibitor during prematuration to improve competence in bovine oocytes. *Reproduction in Domestic Animals*, **2019**, 54, 666-677	1.6	3
19	Equine chorionic gonadotropin drives the transcriptional profile of immature cumulus-oocyte complexes and in vitro-produced blastocysts of superstimulated Nelore cows. *Molecular Reproduction and Development*, **2019**, 86, 1639-1651	2.6	3
18	Expression of mRNA Encoding the LH Receptor (LHR) and LHR Binding Protein in Granulosa Cells from Nelore (Bos indicus) Heifers Around Follicle Deviation. *Reproduction in Domestic Animals*, **2015**, 50, 952-7	1.6	3
17	Follicular environment as a predictive tool for embryo development and kinetics in cattle. *Reproduction, Fertility and Development*, **2019**, 31, 451-461	1.8	3
16	Influence of cAMP modulator supplementation of in vitro culture medium on Bos taurus indicus embryos. *Theriogenology*, **2020**, 141, 134-141	2.8	3
15	Artificial Intelligence-Based Grading Quality of Bovine Blastocyst Digital Images: Direct Capture with Juxtaposed Lenses of Smartphone Camera and Stereomicroscope Ocular Lens. *Sensors*, **2018**, 18,	3.8	3
14	Transcriptional profiling of embryo cryotolerance. *Molecular Reproduction and Development*, **2020**, 87, 1245-1259	2.6	2
13	Screening of biotechnical parameters for production of bovine inter-subspecies embryonic chimeras by the aggregation of tetraploid Bos indicus and diploid crossbred Bos taurus embryos. *Reproductive Biology*, **2016**, 16, 34-40	2.3	2
12	Potential Use of Smartphone as a Tool to Capture Embryo Digital Images from Stereomicroscope and to Evaluate Them by an Artificial Neural Network **2017**,		2
11	Use of pregnancy-associated plasma protein-A during oocyte in vitro maturation increases IGF-1 and affects the transcriptional profile of cumulus cells and embryos from Nelore cows. *Molecular Reproduction and Development*, **2019**, 86, 1694-1704	2.6	1

List of Publications

10	Paternal effect does not affect in vitro embryo morphokinetics but modulates molecular profile. *Theriogenology*, **2022**, 178, 30-39	2.8	1
9	Mining of variables from embryo morphokinetics, blastocyst's morphology and patient parameters: an approach to predict the live birth in the assisted reproduction service. *Jornal Brasileiro De Reproducao Assistida*, **2020**, 24, 470-479	1.7	1
8	Distinct Sources of a Bovine Blastocyst Digital Image do not Produce the Same Classification by a Previously Trained Software using Artificial Neural Network		1
7	Cattle In Vitro Induced Pluripotent Stem Cells Generated and Maintained in 5 or 20% Oxygen and Different Supplementation. *Cells*, **2021**, 10,	7.9	1
6	Treatment of -Matured Bovine Oocytes With Tauroursodeoxycholic Acid Modulates the Oxidative Stress Signaling Pathway. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 623852	5.7	1
5	Influence of forskolin supplementation on embryos produced in vitro. *Livestock Science*, **2019**, 221, 15-18	1.7	0
4	Distinct Sources of a Bovine Blastocyst Digital Image Do not Produce the Same Classification by a Previously Trained Software Using Artificial Neural Network. *Communications in Computer and Information Science*, **2019**, 139-153	0.3	
3	Genomic and phenotypic analyses of antral follicle count in Aberdeen Angus cows. *Livestock Science* , **2021**, 249, 104534	1.7	
2	An Image Processing Protocol to Extract Variables Predictive of Human Embryo Fitness for Assisted Reproduction. *Applied Sciences (Switzerland)*, **2022**, 12, 3531	2.6	
1	Evaluation of a serum-free culture medium for the enhanced vitrification cryosurvival of bovine in vitro-derived embryos. *Livestock Science*, **2022**, 104922	1.7	