

Marcelo Fbio Gouveia Nogueira

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.

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	Paternal effect does not affect in vitro embryo morphokinetics but modulates molecular profile. <i>Theriogenology</i> , 2022 , 178, 30-39	2.8	1
62	An Image Processing Protocol to Extract Variables Predictive of Human Embryo Fitness for Assisted Reproduction. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3531	2.6	
61	Evaluation of a serum-free culture medium for the enhanced vitrification cryosurvival of bovine in vitro-derived embryos. <i>Livestock Science</i> , 2022 , 104922	1.7	
60	Cattle In Vitro Induced Pluripotent Stem Cells Generated and Maintained in 5 or 20% Oxygen and Different Supplementation. <i>Cells</i> , 2021 , 10,	7.9	1
59	Genomic and phenotypic analyses of antral follicle count in Aberdeen Angus cows. <i>Livestock Science</i> , 2021 , 249, 104534	1.7	
58	An artificial intelligence model based on the proteomic profile of euploid embryos and blastocyst morphology: a preliminary study. <i>Reproductive BioMedicine Online</i> , 2021 , 42, 340-350	4	8
57	Treatment of -Matured Bovine Oocytes With Tauroursodeoxycholic Acid Modulates the Oxidative Stress Signaling Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 623852	5.7	1
56	Transcriptional profiling of embryo cryotolerance. <i>Molecular Reproduction and Development</i> , 2020 , 87, 1245-1259	2.6	2
55	Artificial intelligence in the IVF laboratory: overview through the application of different types of algorithms for the classification of reproductive data. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 2359-2376	3.4	14
54	Bona fide gene expression analysis of samples from the bovine reproductive system by microfluidic platform. <i>Analytical Biochemistry</i> , 2020 , 596, 113641	3.1	7
53	Mining of variables from embryo morphokinetics, blastocyst morphology and patient parameters: an approach to predict the live birth in the assisted reproduction service. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2020 , 24, 470-479	1.7	1
52	Genetic Parameters and Genome-Wide Association Studies for Anti-Müllerian Hormone Levels and Antral Follicle Populations Measured After Estrus Synchronization in Nellore Cattle. <i>Animals</i> , 2020 , 10,	3.1	7
51	Can extracellular vesicles from bovine ovarian follicular fluid modulate the in-vitro oocyte meiosis progression similarly to the CNP-NPR2 system?. <i>Theriogenology</i> , 2020 , 157, 210-217	2.8	4
50	Autophagy is a pro-survival adaptive response to heat shock in bovine cumulus-oocyte complexes. <i>Scientific Reports</i> , 2020 , 10, 13711	4.9	14
49	Tricarboxylic Acid Cycle Metabolites as Mediators of DNA Methylation Reprogramming in Bovine Preimplantation Embryos. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
48	The dynamics between in vitro culture and metabolism: embryonic adaptation to environmental changes. <i>Scientific Reports</i> , 2020 , 10, 15672	4.9	6
47	Ovarian follicular dynamics, progesterone concentrations, pregnancy rates and transcriptional patterns in Bos indicus females with a high or low antral follicle count. <i>Scientific Reports</i> , 2020 , 10, 19557	4.9	4

46	Influence of cAMP modulator supplementation of in vitro culture medium on Bos taurus indicus embryos. <i>Theriogenology</i> , 2020 , 141, 134-141	2.8	3
45	Modulation of long-chain Acyl-CoA synthetase on the development, lipid deposit and cryosurvival of in vitro produced bovine embryos. <i>PLoS ONE</i> , 2019 , 14, e0220731	3.7	10
44	Differences in embryonic gene expression and quality indicate the benefit of epidermal growth factor receptor inhibitor during prematuration to improve competence in bovine oocytes. <i>Reproduction in Domestic Animals</i> , 2019 , 54, 666-677	1.6	3
43	Extracellular vesicles of follicular fluid from heat-stressed cows modify the gene expression of in vitro-matured oocytes. <i>Animal Reproduction Science</i> , 2019 , 205, 94-104	2.1	14
42	The effects of crocetin supplementation on the blastocyst outcome, transcriptomic and metabolic profile of in vitro produced bovine embryos. <i>Theriogenology</i> , 2019 , 123, 30-36	2.8	12
41	Equine chorionic gonadotropin drives the transcriptional profile of immature cumulus-oocyte complexes and in vitro-produced blastocysts of superstimulated Nelore cows. <i>Molecular Reproduction and Development</i> , 2019 , 86, 1639-1651	2.6	3
40	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. <i>Molecular Reproduction and Development</i> , 2019 , 86, 1694-1704	2.6	1
39	Distinct Sources of a Bovine Blastocyst Digital Image Do not Produce the Same Classification by a Previously Trained Software Using Artificial Neural Network. <i>Communications in Computer and Information Science</i> , 2019 , 139-153	0.3	
38	Simulated physiological oocyte maturation has side effects on bovine oocytes and embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 413-424	3.4	6
37	Influence of forskolin supplementation on embryos produced in vitro. <i>Livestock Science</i> , 2019 , 221, 15-18.	1.7	0
36	Follicular environment as a predictive tool for embryo development and kinetics in cattle. <i>Reproduction, Fertility and Development</i> , 2019 , 31, 451-461	1.8	3
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. <i>Reproductive Biology</i> , 2018 , 18, 66-75	2.3	11
34	Effect of superstimulation on the expression of microRNAs and genes involved in steroidogenesis and ovulation in Nelore cows. <i>Theriogenology</i> , 2018 , 110, 192-200	2.8	12
33	Genome-wide screening of DNA methylation in bovine blastocysts with different kinetics of development. <i>Epigenetics and Chromatin</i> , 2018 , 11, 1	5.8	29
32	Artificial Intelligence-Based Grading Quality of Bovine Blastocyst Digital Images: Direct Capture with Juxtaposed Lenses of Smartphone Camera and Stereomicroscope Ocular Lens. <i>Sensors</i> , 2018 , 18,	3.8	3
31	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. <i>Fertility and Sterility</i> , 2018 , 110, e372-e373	4.8	5
30	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. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1314-1328	1.8	10
29	Lipid profiles of follicular fluid from cows submitted to ovarian superstimulation. <i>Theriogenology</i> , 2017 , 94, 64-70	2.8	9

28	maturation impacts cumulus-oocyte complex metabolism and stress in cattle. <i>Reproduction</i> , 2017 , 154, 881-893	3.8	23
27	Oxidative Stress Alters the Profile of Transcription Factors Related to Early Development on Produced Embryos. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 1502489	6.7	22
26	Supplementation with small-extracellular vesicles from ovarian follicular fluid during in vitro production modulates bovine embryo development. <i>PLoS ONE</i> , 2017 , 12, e0179451	3.7	43
25	Pre-hatching embryo-dependent and -independent programming of endometrial function in cattle. <i>PLoS ONE</i> , 2017 , 12, e0175954	3.7	55
24	A Method Based on Artificial Intelligence To Fully Automatize The Evaluation of Bovine Blastocyst Images. <i>Scientific Reports</i> , 2017 , 7, 7659	4.9	33
23	Antioxidant responses and deregulation of epigenetic writers and erasers link oxidative stress and DNA methylation in bovine blastocysts. <i>Molecular Reproduction and Development</i> , 2017 , 84, 1296-1305	2.6	15
22	Automatized image processing of bovine blastocysts produced in vitro for quantitative variable determination. <i>Scientific Data</i> , 2017 , 4, 170192	8.2	15
21	Number of oocytes retrieved per donor during OPU and its relationship with in vitro embryo production and field fertility following embryo transfer. <i>Animal Reproduction</i> , 2017 , 14, 635-644	1.7	13
20	New approaches regarding the in vitro maturation of oocytes: manipulating cyclic nucleotides and their partners in crime. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2017 , 21, 35-44	1.7	7
19	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
18	Screening of biotechnical parameters for production of bovine inter-subspecies embryonic chimeras by the aggregation of tetraploid <i>Bos indicus</i> and diploid crossbred <i>Bos taurus</i> embryos. <i>Reproductive Biology</i> , 2016 , 16, 34-40	2.3	2
17	Methods for assessing the quality of mammalian embryos: How far we are from the gold standard?. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2016 , 20, 150-8	1.7	27
16	Involvement of miRNAs and Cell-Secreted Vesicles in Mammalian Ovarian Antral Follicle Development. <i>Reproductive Sciences</i> , 2015 , 22, 1474-83	3	26
15	Expression of mRNA Encoding the LH Receptor (LHR) and LHR Binding Protein in Granulosa Cells from Nelore (<i>Bos indicus</i>) Heifers Around Follicle Deviation. <i>Reproduction in Domestic Animals</i> , 2015 , 50, 952-7	1.6	3
14	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. <i>Theriogenology</i> , 2014 , 82, 1199-205	2.8	12
13	A method using artificial neural networks to morphologically assess mouse blastocyst quality. <i>Journal of Animal Science and Technology</i> , 2014 , 56, 15	1.6	16
12	Effect of superstimulatory treatments on the expression of genes related to ovulatory capacity, oocyte competence and embryo development in cattle. <i>Reproduction, Fertility and Development</i> , 2012 , 25, 17-25	1.8	20
11	Ovulation rate and its relationship with follicle diameter and gene expression of the LH receptor (LHR) in Nelore cows. <i>Theriogenology</i> , 2012 , 77, 139-47	2.8	18

10	Heat shock proteins (HSP): dermatological implications and perspectives. <i>European Journal of Dermatology</i> , 2012 , 22, 8-13	0.8	15
9	Use of knowledge regarding LH receptors to improve superstimulatory treatments in cattle. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 132-7	1.8	17
8	The genome sequence of taurine cattle: a window to ruminant biology and evolution. <i>Science</i> , 2009 , 324, 522-8	33.3	863
7	Expression of LH receptor mRNA splice variants in bovine granulosa cells: changes with follicle size and regulation by FSH in vitro. <i>Molecular Reproduction and Development</i> , 2007 , 74, 680-6	2.6	45
6	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. <i>Theriogenology</i> , 2007 , 67, 655-60	2.8	6
5	Superovulation and embryo transfer in Bos indicus cattle. <i>Theriogenology</i> , 2006 , 65, 77-88	2.8	72
4	Do high progesterone concentrations decrease pregnancy rates in embryo recipients synchronized with PGF2alpha and eCG?. <i>Theriogenology</i> , 2004 , 61, 1283-90	2.8	25
3	Embryo recovery and pregnancy rates after the delay of ovulation and fixed time insemination in superstimulated beef cows. <i>Theriogenology</i> , 2002 , 57, 1625-34	2.8	20
2	Embryo transfer in Bos indicus cattle. <i>Theriogenology</i> , 2001 , 56, 1483-96	2.8	40
1	Distinct Sources of a Bovine Blastocyst Digital Image do not Produce the Same Classification by a Previously Trained Software using Artificial Neural Network		1