

Marcos R Chiaratti

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,149
citations

361296

20
h-index

434063

31
g-index

50
all docs

50
docs citations

50
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy deficiency abolishes liver mitochondrial DNA segregation. <i>Autophagy</i> , 2022, 18, 2397-2408.	4.3	6
2	HEK293T Cells with TFAM Disruption by CRISPR-Cas9 as a Model for Mitochondrial Regulation. <i>Life</i> , 2022, 12, 22.	1.1	3
3	Multi-Omics Approach Reveals miR-SNPs Affecting Muscle Fatty Acids Profile in Nelore Cattle. <i>Genes</i> , 2021, 12, 67.	1.0	12
4	Uncovering the important role of mitochondrial dynamics in oogenesis: impact on fertility and metabolic disorder transmission. <i>Biophysical Reviews</i> , 2021, 13, 967-981.	1.5	7
5	Mitochondrial DNA heteroplasmy is modulated during oocyte development propagating mutation transmission. <i>Science Advances</i> , 2021, 7, eabi5657.	4.7	22
6	Hepatic mRNA expression of enzymes associated with progesterone metabolism and its impact on ovarian and endocrine responses in Nelore (<i>Bos indicus</i>) and Holstein (<i>Bos taurus</i>) heifers with differing feed intakes. <i>Theriogenology</i> , 2020, 143, 113-122.	0.9	11
7	Catalytic inhibition of H3K9me2 writers disturbs epigenetic marks during bovine nuclear reprogramming. <i>Scientific Reports</i> , 2020, 10, 11493.	1.6	12
8	Evidence of Selection Against Damaged Mitochondria During Early Embryogenesis in the Mouse. <i>Frontiers in Genetics</i> , 2020, 11, 762.	1.1	6
9	Characterization of post-edited cells modified in the TFAM gene by CRISPR/Cas9 technology in the bovine model. <i>PLoS ONE</i> , 2020, 15, e0235856.	1.1	8
10	Mice born to females with oocyte-specific deletion of mitofusin 2 have increased weight gain and impaired glucose homeostasis. <i>Molecular Human Reproduction</i> , 2020, 26, 938-952.	1.3	5
11	Mitofusin ¹ is required for oocyte growth and communication with follicular somatic cells. <i>FASEB Journal</i> , 2020, 34, 7644-7660.	0.2	27
12	Maternal transmission of mitochondrial diseases. <i>Genetics and Molecular Biology</i> , 2020, 43, e20190095.	0.6	14
13	The role of mitochondria in the female germline: Implications to fertility and inheritance of mitochondrial diseases. <i>Cell Biology International</i> , 2018, 42, 711-724.	1.4	31
14	Metabolic studies of a patient harbouring a novel S487L mutation in the catalytic subunit of AMPK. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1896-1903.	1.8	1
15	Estimated heat production, blood parameters and mitochondrial DNA copy number of Nelore bulls (<i>Bos indicus</i>) with high and low residual feed intake. <i>Livestock Science</i> , 2018, 217, 140-147.	0.6	4
16	Oocyte mitochondria: role on fertility and disease transmission. <i>Animal Reproduction</i> , 2018, 15, 231-238.	0.4	19
17	Associations of insulin resistance later in lactation on fertility of dairy cows. <i>Theriogenology</i> , 2016, 86, 263-269.	0.9	13
18	The Infertility of Repeat-Breeder Cows During Summer Is Associated with Decreased Mitochondrial DNA and Increased Expression of Mitochondrial and Apoptotic Genes in Oocytes ¹ . <i>Biology of Reproduction</i> , 2016, 94, 66.	1.2	57

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19	Mitochondrial DNA dynamics during in vitro culture and pluripotency induction of a bovine Rho0 cell line. <i>Genetics and Molecular Research</i> , 2015, 14, 14093-14104.	0.3	9
20	Real-Time PCR Quantification of Heteroplasmy in a Mouse Model with Mitochondrial DNA of C57BL/6 and NZB/BINJ Strains. <i>PLoS ONE</i> , 2015, 10, e0133650.	1.1	23
21	Generation of bovine (<i>Bos indicus</i>) and buffalo (<i>Bubalus bubalis</i>) adipose tissue derived stem cells: isolation, characterization, and multipotentiality. <i>Genetics and Molecular Research</i> , 2015, 14, 53-62.	0.3	40
22	Organic selenium supplementation increases PHGPx but does not improve viability in chilled boar semen. <i>Andrologia</i> , 2015, 47, 85-90.	1.0	7
23	The interval between the emergence of pharmacologically synchronized ovarian follicular waves and ovum pickup does not significantly affect in vitro embryo production in <i>Bos indicus</i> , <i>Bos taurus</i> , and <i>Bubalus bubalis</i> . <i>Theriogenology</i> , 2015, 83, 385-393.	0.9	50
24	Modulation of periovulatory endocrine profiles in beef cows: consequences for endometrial glucose transporters and uterine fluid glucose levels. <i>Domestic Animal Endocrinology</i> , 2015, 50, 83-90.	0.8	15
25	Is Placental Mitochondrial Function a Regulator that Matches Fetal and Placental Growth to Maternal Nutrient Intake in the Mouse?. <i>PLoS ONE</i> , 2015, 10, e0130631.	1.1	20
26	Reference Gene Selection for Gene Expression Analysis of Oocytes Collected from Dairy Cattle and Buffaloes during Winter and Summer. <i>PLoS ONE</i> , 2014, 9, e93287.	1.1	42
27	Organic selenium increases PHGPx, but does not affect quality sperm in raw boar semen. <i>Livestock Science</i> , 2014, 164, 175-178.	0.6	9
28	Effect of nitric oxide on the cyclic guanosine monophosphate (cGMP) pathway during meiosis resumption in bovine oocytes. <i>Theriogenology</i> , 2014, 81, 556-564.	0.9	21
29	Expression of PLIN2 and PLIN3 during oocyte maturation and early embryo development in cattle. <i>Theriogenology</i> , 2014, 81, 326-331.	0.9	26
30	The Influence of Morphology, Follicle Size and Bcl-2 and Bax Transcripts on the Developmental Competence of Bovine Oocytes. <i>Reproduction in Domestic Animals</i> , 2014, 49, 576-583.	0.6	23
31	Cytoplasmic inheritance, epigenetics and reprogramming DNA as tools in animal breeding. <i>Livestock Science</i> , 2014, 166, 199-205.	0.6	7
32	Development to Term of Cloned Cattle Derived from Donor Cells Treated with Valproic Acid. <i>PLoS ONE</i> , 2014, 9, e101022.	1.1	34
33	Treatment of Nuclear-Donor Cells or Cloned Zygotes with Chromatin-Modifying Agents Increases Histone Acetylation But Does Not Improve Full-Term Development of Cloned Cattle. <i>Cellular Reprogramming</i> , 2012, 14, 235-247.	0.5	41
34	Therapeutic treatments of mtDNA diseases at the earliest stages of human development. <i>Mitochondrion</i> , 2011, 11, 820-828.	1.6	25
35	The low fertility of repeat-breeder cows during summer heat stress is related to a low oocyte competence to develop into blastocysts. <i>Journal of Dairy Science</i> , 2011, 94, 2383-2392.	1.4	112
36	Ooplast-mediated developmental rescue of bovine oocytes exposed to ethidium bromide. <i>Reproductive BioMedicine Online</i> , 2011, 22, 172-183.	1.1	32

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37	Viable Calves Produced by Somatic Cell Nuclear Transfer Using Meiotic-Blocked Oocytes. Cellular Reprogramming, 2011, 13, 419-429.	0.5	25
38	Mechanism of Trypanosoma cruzi death induced by Cratylia mollis seed lectin. Journal of Bioenergetics and Biomembranes, 2010, 42, 69-78.	1.0	30
39	Cramoll 1,4 lectin increases ROS production, calcium levels, and cytokine expression in treated spleen cells of rats. Molecular and Cellular Biochemistry, 2010, 342, 163-169.	1.4	26
40	Embryo Mitochondrial DNA Depletion Is Reversed During Early Embryogenesis in Cattle1. Biology of Reproduction, 2010, 82, 76-85.	1.2	58
41	Mitochondrial DNA Copy Number, a Marker of Viability for Oocytes1. Biology of Reproduction, 2010, 83, 1-2.	1.2	33
42	Transmission of Mitochondrial DNA Diseases and Ways to Prevent Them. PLoS Genetics, 2010, 6, e1001066.	1.5	74
43	Pronounced Segregation of Donor Mitochondria Introduced by Bovine Ooplasmic Transfer to the Female Germ-Line1. Biology of Reproduction, 2010, 82, 563-571.	1.2	43
44	Xenoplasmic Transfer between Buffalo and Bovine Enables Development of Homoplasmic Offspring. Cellular Reprogramming, 2010, 12, 231-236.	0.5	10
45	Characterization of mitochondrial genotypes in the foundation herd of the Canchim beef cattle breed. Genetics and Molecular Research, 2009, 8, 261-267.	0.3	3
46	The Kinetics of Donor Cell mtDNA in Embryonic and Somatic Donor Cell-Derived Bovine Embryos. Cloning and Stem Cells, 2007, 9, 618-629.	2.6	20
47	High Bcl-2/Bax ratio in Walker tumor cells protects mitochondria but does not prevent H2O2-induced apoptosis via calcineurin pathways. Journal of Bioenergetics and Biomembranes, 2007, 39, 186-194.	1.0	20
48	Increase in mitochondrial DNA quantity and impairment of oxidative phosphorylation in bovine fibroblast cells treated with ethidium bromide for 15 passages in culture. Genetics and Molecular Research, 2006, 5, 55-62.	0.3	9