

Jo L M R Leroy

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

910
citations

566801

15
h-index

552369

26
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26
all docs

26
docs citations

26
times ranked

989
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated Non-Esterified Fatty Acid Concentrations during Bovine Oocyte Maturation Compromise Early Embryo Physiology. <i>PLoS ONE</i> , 2011, 6, e23183.	1.1	211
2	Endocrine-disrupting chemicals in human follicular fluid impair in vitro oocyte developmental competence. <i>Human Reproduction</i> , 2012, 27, 1025-1033.	0.4	97
3	Fatty acid composition of the follicular fluid of normal weight, overweight and obese women undergoing assisted reproductive treatment: a descriptive cross-sectional study. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 13.	1.4	92
4	Suboptimal culture conditions induce more deviations in gene expression in male than female bovine blastocysts. <i>BMC Genomics</i> , 2016, 17, 72.	1.2	58
5	Nutrition and maternal metabolic health in relation to oocyte and embryo quality: critical views on what we learned from the dairy cow model. <i>Reproduction, Fertility and Development</i> , 2015, 27, 693.	0.1	55
6	Alpha-linolenic acid protects the developmental capacity of bovine cumulus-oocyte complexes matured under lipotoxic conditions in vitro. <i>Biology of Reproduction</i> , 2017, 96, 1181-1196.	1.2	45
7	Mitochondria-targeted therapy rescues development and quality of embryos derived from oocytes matured under oxidative stress conditions: a bovine in vitro model. <i>Human Reproduction</i> , 2019, 34, 1984-1998.	0.4	44
8	Metabolic Stress in the Transition Period of Dairy Cows: Focusing on the Prepartum Period. <i>Animals</i> , 2020, 10, 1419.	1.0	40
9	Proteomic changes in oocytes after in vitro maturation in lipotoxic conditions are different from those in cumulus cells. <i>Scientific Reports</i> , 2019, 9, 3673.	1.6	39
10	Oleic acid in the modulation of oocyte and preimplantation embryo development. <i>Zygote</i> , 2018, 26, 1-13.	0.5	37
11	Reduced oocyte and embryo quality in response to elevated non-esterified fatty acid concentrations: A possible pathway to subfertility?. <i>Animal Reproduction Science</i> , 2014, 149, 19-29.	0.5	34
12	Action mechanisms of n-3 polyunsaturated fatty acids on the oocyte maturation and developmental competence: Potential advantages and disadvantages. <i>Journal of Cellular Physiology</i> , 2019, 234, 1016-1029.	2.0	18
13	Oocyte maturation under lipotoxic conditions induces carryover transcriptomic and functional alterations during post-hatching development of good-quality blastocysts: novel insights from a bovine embryo-transfer model. <i>Human Reproduction</i> , 2020, 35, 293-307.	0.4	17
14	A diet enriched in linoleic acid compromises the cryotolerance of embryos from superovulated beef heifers. <i>Reproduction, Fertility and Development</i> , 2014, 26, 511.	0.1	15
15	Follicular fluid during individual oocyte maturation enhances cumulus expansion and improves embryo development and quality in a dose-specific manner. <i>Theriogenology</i> , 2021, 166, 38-45.	0.9	15
16	Maladaptation to the transition period and consequences on fertility of dairy cows. <i>Reproduction in Domestic Animals</i> , 2022, 57, 21-32.	0.6	15
17	Effect of nutritionally induced hyperlipidaemia on in vitro bovine embryo quality depends on the type of major fatty acid in the diet. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1856.	0.1	14
18	Targeted deletion of the Kv6.4 subunit causes male sterility due to disturbed spermiogenesis. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1567.	0.1	11

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19	Diet normalization or caloric restriction as a preconception care strategy to improve metabolic health and oocyte quality in obese outbred mice. <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 166.	1.4	11
20	Effects of vitrification on the viability of alginate encapsulated isolated bovine pre-antral follicles. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 1187-1199.	1.2	9
21	Preservation of connexin 43 and transzonal projections in isolated bovine pre-antral follicles before and following vitrification. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 479-492.	1.2	7
22	Cellular Stress Responses in Oocytes: Molecular Changes and Clinical Implications. <i>Advances in Experimental Medicine and Biology</i> , 2021, , 171-189.	0.8	7
23	Metabolic and antioxidant status during transition is associated with changes in the granulosa cell transcriptome in the preovulatory follicle in high-producing dairy cows at the time of breeding. <i>Journal of Dairy Science</i> , 2022, 105, 6956-6972.	1.4	6
24	Optimisation of the Bovine Whole In Vitro Embryo System as a Sentinel for Toxicity Screening: A Cadmium Challenge. <i>ATLA Alternatives To Laboratory Animals</i> , 2015, 43, 89-100.	0.7	4
25	Rescue Potential of Supportive Embryo Culture Conditions on Bovine Embryos Derived from Metabolically Compromised Oocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8206.	1.8	4