Jo L M R Leroy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3478921/publications.pdf

Version: 2024-02-01

25	910	567281 15	552781 26
papers	citations	h-index	g-index

26	26	26	989
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elevated Non-Esterified Fatty Acid Concentrations during Bovine Oocyte Maturation Compromise Early Embryo Physiology. PLoS ONE, 2011, 6, e23183.	2.5	211
2	Endocrine-disrupting chemicals in human follicular fluid impair in vitro oocyte developmental competence. Human Reproduction, 2012, 27, 1025-1033.	0.9	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. Reproductive Biology and Endocrinology, 2014, 12, 13.	3.3	92
4	Suboptimal culture conditions induce more deviations in gene expression in male than female bovine blastocysts. BMC Genomics, 2016, 17, 72.	2.8	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. Reproduction, Fertility and Development, 2015, 27, 693.	0.4	55
6	Alpha-linolenic acid protects the developmental capacity of bovine cumulusâ€“oocyte complexes matured under lipotoxic conditions in vitroâ€. Biology of Reproduction, 2017, 96, 1181-1196.	2.7	45
7	Mitochondria-targeted therapy rescues development and quality of embryos derived from oocytes matured under oxidative stress conditions: a bovine in vitro model. Human Reproduction, 2019, 34, 1984-1998.	0.9	44
8	Metabolic Stress in the Transition Period of Dairy Cows: Focusing on the Prepartum Period. Animals, 2020, 10, 1419.	2.3	40
9	Proteomic changes in oocytes after in vitro maturation in lipotoxic conditions are different from those in cumulus cells. Scientific Reports, 2019, 9, 3673.	3.3	39
10	Oleic acid in the modulation of oocyte and preimplantation embryo development. Zygote, 2018, 26, 1-13.	1.1	37
11	Reduced oocyte and embryo quality in response to elevated non-esterified fatty acid concentrations: A possible pathway to subfertility?. Animal Reproduction Science, 2014, 149, 19-29.	1.5	34
12	Action mechanisms of n-3 polyunsaturated fatty acids on the oocyte maturation and developmental competence: Potential advantages and disadvantages. Journal of Cellular Physiology, 2019, 234, 1016-1029.	4.1	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. Human Reproduction, 2020, 35, 293-307.	0.9	17
14	A diet enriched in linoleic acid compromises the cryotolerance of embryos from superovulated beef heifers. Reproduction, Fertility and Development, 2014, 26, 511.	0.4	15
15	Follicular fluid during individual oocyte maturation enhances cumulus expansion and improves embryo development and quality in a dose-specific manner. Theriogenology, 2021, 166, 38-45.	2.1	15
16	Maladaptation to the transition period and consequences on fertility of dairy cows. Reproduction in Domestic Animals, 2022, 57, 21-32.	1.4	15
17	Effect of nutritionally induced hyperlipidaemia on in vitro bovine embryo quality depends on the type of major fatty acid in the diet. Reproduction, Fertility and Development, 2017, 29, 1856.	0.4	14
18	Targeted deletion of the Kv6.4 subunit causes male sterility due to disturbed spermiogenesis. Reproduction, Fertility and Development, 2017, 29, 1567.	0.4	11

#	Article	IF	Citations
19	Diet normalization or caloric restriction as a preconception care strategy to improve metabolic health and oocyte quality in obese outbred mice. Reproductive Biology and Endocrinology, 2021, 19, 166.	3.3	11
20	Effects of vitrification on the viability of alginate encapsulated isolated bovine pre-antral follicles. Journal of Assisted Reproduction and Genetics, 2018, 35, 1187-1199.	2.5	9
21	Preservation of connexin 43 and transzonal projections in isolated bovine pre-antral follicles before and following vitrification. Journal of Assisted Reproduction and Genetics, 2021, 38, 479-492.	2.5	7
22	Cellular Stress Responses in Oocytes: Molecular Changes and Clinical Implications. Advances in Experimental Medicine and Biology, 2021, , 171-189.	1.6	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. Journal of Dairy Science, 2022, 105, 6956-6972.	3.4	6
24	Optimisation of the Bovine Whole In Vitro Embryo System as a Sentinel for Toxicity Screening: A Cadmium Challenge. ATLA Alternatives To Laboratory Animals, 2015, 43, 89-100.	1.0	4
25	Rescue Potential of Supportive Embryo Culture Conditions on Bovine Embryos Derived from Metabolically Compromised Oocytes. International Journal of Molecular Sciences, 2020, 21, 8206.	4.1	4