

Claude Robert

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.

84
papers

2,783
citations

29
h-index

51
g-index

88
ext. papers

3,186
ext. citations

3.7
avg, IF

4.77
L-index

#	Paper	IF	Citations
84	Mammalian cumulus-oocyte complex communication: a dialog through long and short distance messaging.. <i>Journal of Assisted Reproduction and Genetics</i> , 2022 , 39, 1011	3.4	1
83	Corn or wheat-based diet to manipulate lipid content in early embryos of Jersey cows.. <i>Theriogenology</i> , 2022 , 187, 42-50	2.8	
82	Nurturing the egg: the essential connection between cumulus cells and the oocyte.. <i>Reproduction, Fertility and Development</i> , 2021 , 34, 149-159	1.8	2
81	Genetic Progress Achieved during 10 Years of Selective Breeding for Honeybee Traits of Interest to the Beekeeping Industry. <i>Agriculture (Switzerland)</i> , 2021 , 11, 535	3	1
80	Genetic Parameters of Honey Bee Colonies Traits in a Canadian Selection Program. <i>Insects</i> , 2020 , 11,	2.8	9
79	Estrous cycle impacts microRNA content in extracellular vesicles that modulate bovine cumulus cell transcripts during in vitro maturation. <i>Biology of Reproduction</i> , 2020 , 102, 362-375	3.9	17
78	Recent Advances in Genomics-Based Animal Biotechnology: State of the Art of Selective Breeding and Embryo Genomics 2019 , 365-375		
77	LD-annot: A Bioinformatics Tool to Automatically Provide Candidate SNPs With Annotations for Genetically Linked Genes. <i>Frontiers in Genetics</i> , 2019 , 10, 1192	4.5	0
76	Cell-to-Cell Communication in the Ovarian Follicle 2018 , 33-42		
75	Genome-wide DNA methylation patterns of bovine blastocysts derived from in vivo embryos subjected to in vitro culture before, during or after embryonic genome activation. <i>BMC Genomics</i> , 2018 , 19, 424	4.5	34
74	Intragenic sequences in the trophectoderm harbour the greatest proportion of methylation errors in day 17 bovine conceptuses generated using assisted reproductive technologies. <i>BMC Genomics</i> , 2018 , 19, 438	4.5	10
73	Cell-lineage specificity of primary cilia during postnatal epididymal development. <i>Human Reproduction</i> , 2018 , 33, 1829-1838	5.7	4
72	Genome-wide analysis of sperm DNA methylation from monozygotic twin bulls. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 838-843	1.8	10
71	Transcriptome Profiling of In-Vivo Produced Bovine Pre-implantation Embryos Using Two-color Microarray Platform. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	1
70	Transcriptomic difference in bovine blastocysts following vitrification and slow freezing at morula stage. <i>PLoS ONE</i> , 2017 , 12, e0187268	3.7	15
69	Feed supplementation with arginine and zinc on antioxidant status and inflammatory response in challenged weanling piglets. <i>Animal Nutrition</i> , 2017 , 3, 236-246	4.8	5
68	Responses of bovine early embryos to S-adenosyl methionine supplementation in culture. <i>Epigenomics</i> , 2016 , 8, 1039-60	4.4	15

67	Cumulus Cell Transcripts Transit to the Bovine Oocyte in Preparation for Maturation. <i>Biology of Reproduction</i> , 2016 , 94, 16	3.9	79
66	Tracking the Fragile X Mental Retardation Protein in a Highly Ordered Neuronal RiboNucleoParticles Population: A Link between Stalled Polyribosomes and RNA Granules. <i>PLoS Genetics</i> , 2016 , 12, e1006192	6	41
65	Thyroid hormones alter the transcriptome of in vitro-produced bovine blastocysts. <i>Zygote</i> , 2016 , 24, 266-76	1.6	4
64	Multiple Mechanisms Cooperate to Constitutively Exclude the Transcriptional Co-Activator YAP from the Nucleus During Murine Oogenesis. <i>Biology of Reproduction</i> , 2016 , 94, 102	3.9	13
63	Genetic influence on the reduction in bovine embryo lipid content by l-carnitine. <i>Reproduction, Fertility and Development</i> , 2015 ,	1.8	7
62	Studying bovine early embryo transcriptome by microarray. <i>Methods in Molecular Biology</i> , 2015 , 1222, 197-208	1.4	2
61	The human decapping scavenger enzyme DcpS modulates microRNA turnover. <i>Scientific Reports</i> , 2015 , 5, 16688	4.9	14
60	Genome-Wide DNA Methylation Patterns of Bovine Blastocysts Developed In Vivo from Embryos Completed Different Stages of Development In Vitro. <i>PLoS ONE</i> , 2015 , 10, e0140467	3.7	58
59	Breed-specific factors influence embryonic lipid composition: comparison between Jersey and Holstein. <i>Reproduction, Fertility and Development</i> , 2015 ,	1.8	7
58	Exploring the function of long non-coding RNA in the development of bovine early embryos. <i>Reproduction, Fertility and Development</i> , 2014 , 27, 40-52	1.8	25
57	The adenosine salvage pathway as an alternative to mitochondrial production of ATP in maturing mammalian oocytes. <i>Biology of Reproduction</i> , 2014 , 91, 75	3.9	28
56	The gametic synapse: RNA transfer to the bovine oocyte. <i>Biology of Reproduction</i> , 2014 , 91, 90	3.9	103
55	Sexual dimorphism in developmental programming of the bovine preimplantation embryo caused by colony-stimulating factor 2. <i>Biology of Reproduction</i> , 2014 , 91, 80	3.9	35
54	Rapidly cleaving bovine two-cell embryos have better developmental potential and a distinctive mRNA pattern. <i>Molecular Reproduction and Development</i> , 2014 , 81, 31-41	2.6	11
53	Improvement of bovine in vitro embryo production by vitamin K ₃ supplementation. <i>Reproduction</i> , 2014 , 148, 489-97	3.8	9
52	An integrated platform for bovine DNA methylome analysis suitable for small samples. <i>BMC Genomics</i> , 2014 , 15, 451	4.5	30
51	Antioxidant status and inflammatory response in weanling piglets fed diets supplemented with arginine and zinc. <i>Canadian Journal of Animal Science</i> , 2014 , 94, 87-97	0.9	7
50	Impact of whole-genome amplification on the reliability of pre-transfer cattle embryo breeding value estimates. <i>BMC Genomics</i> , 2014 , 15, 889	4.5	15

49	Profiling the impact of the embryonic microenvironment through global transcriptomic and DNA methylome surveying. <i>Epigenetics and Chromatin</i> , 2013 , 6,	5.8	78
48	Evolutionary conservation of the oocyte transcriptome among vertebrates and its implications for understanding human reproductive function. <i>Molecular Human Reproduction</i> , 2013 , 19, 369-79	4.4	20
47	Meeting the methodological challenges in molecular mapping of the embryonic epigenome. <i>Molecular Human Reproduction</i> , 2013 , 19, 809-27	4.4	10
46	Combined methylation mapping of 5mC and 5hmC during early embryonic stages in bovine. <i>BMC Genomics</i> , 2013 , 14, 406	4.5	14
45	The dynamics of connexin expression, degradation and localisation are regulated by gonadotropins during the early stages of in vitro maturation of swine oocytes. <i>PLoS ONE</i> , 2013 , 8, e68456	3.7	27
44	Impact of the LH surge on granulosa cell transcript levels as markers of oocyte developmental competence in cattle. <i>Reproduction</i> , 2012 , 143, 735-47	3.8	22
43	Cellular and molecular characterization of the impact of laboratory setup on bovine in vitro embryo production. <i>Theriogenology</i> , 2012 , 77, 1767-78.e1	2.8	8
42	Contribution of oocyte source and culture conditions to phenotypic and transcriptomic variation in commercially produced bovine blastocysts. <i>Theriogenology</i> , 2012 , 78, 116-31.e1-3	2.8	20
41	Bovine sperm raft membrane associated Glioma Pathogenesis-Related 1-like protein 1 (GliPr1L1) is modified during the epididymal transit and is potentially involved in sperm binding to the zona pellucida. <i>Journal of Cellular Physiology</i> , 2012 , 227, 3876-86	7	37
40	Development of a porcine (<i>Sus scrofa</i>) embryo-specific microarray: array annotation and validation. <i>BMC Genomics</i> , 2012 , 13, 370	4.5	16
39	Regulation of gap-junctional communication between cumulus cells during in vitro maturation in swine, a gap-FRAP study. <i>Biology of Reproduction</i> , 2012 , 87, 46	3.9	31
38	The microRNA pathway controls germ cell proliferation and differentiation in <i>C. elegans</i> . <i>Cell Research</i> , 2012 , 22, 1034-45	24.7	44
37	Transplanted bone marrow cells do not provide new oocytes but rescue fertility in female mice following treatment with chemotherapeutic agents. <i>Cellular Reprogramming</i> , 2012 , 14, 123-9	2.1	23
36	RNA Processing During Early Embryogenesis: Managing Storage, Utilisation and Destruction 2011 ,		2
35	Combining resources to obtain a comprehensive survey of the bovine embryo transcriptome through deep sequencing and microarrays. <i>Molecular Reproduction and Development</i> , 2011 , 78, 651-64	2.6	86
34	Changes in Holstein cow milk and serum proteins during intramammary infection with three different strains of <i>Staphylococcus aureus</i> . <i>BMC Veterinary Research</i> , 2011 , 7, 51	2.7	29
33	Method to isolate polyribosomal mRNA from scarce samples such as mammalian oocytes and early embryos. <i>BMC Developmental Biology</i> , 2011 , 11, 8	3.1	15
32	Comprehensive cross production system assessment of the impact of in vitro microenvironment on the expression of messengers and long non-coding RNAs in the bovine blastocyst. <i>Reproduction</i> , 2011 , 142, 99-112	3.8	18

31	Transcriptional effect of the LH surge in bovine granulosa cells during the peri-ovulation period. <i>Reproduction</i> , 2011 , 141, 193-205	3.8	37
30	Genomic assessment of follicular marker genes as pregnancy predictors for human IVF. <i>Molecular Human Reproduction</i> , 2010 , 16, 87-96	4.4	59
29	SPAM1 isoforms from two tissue origins are differentially localized within ejaculated bull sperm membranes and have different roles during fertilization. <i>Biology of Reproduction</i> , 2010 , 82, 271-81	3.9	12
28	Providing a stable methodological basis for comparing transcript abundance of developing embryos using microarrays. <i>Molecular Human Reproduction</i> , 2010 , 16, 601-16	4.4	20
27	Investigating the potential of genes preferentially expressed in oocyte to induce chromatin remodeling in somatic cells. <i>Cellular Reprogramming</i> , 2010 , 12, 519-28	2.1	7
26	Microarray analysis of gene expression during early development: a cautionary overview. <i>Reproduction</i> , 2010 , 140, 787-801	3.8	27
25	Combining suppressive subtractive hybridization and cDNA microarrays to identify dietary phosphorus-responsive genes of the rainbow trout (<i>Oncorhynchus mykiss</i>) kidney. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2010 , 5, 24-35	2	8
24	OMICS in assisted reproduction: possibilities and pitfalls. <i>Molecular Human Reproduction</i> , 2010 , 16, 513-304	4.4	96
23	Identification of follicular marker genes as pregnancy predictors for human IVF: new evidence for the involvement of luteinization process. <i>Molecular Human Reproduction</i> , 2010 , 16, 548-56	4.4	34
22	Conserved usage of alternative 5' untranslated exons of the GATA4 gene. <i>PLoS ONE</i> , 2009 , 4, e8454	3.7	8
21	Real-time monitoring of aRNA production during T7 amplification to prevent the loss of sample representation during microarray hybridization sample preparation. <i>Nucleic Acids Research</i> , 2009 , 37, e65	20.1	17
20	Revealing the bovine embryo transcript profiles during early in vivo embryonic development. <i>Reproduction</i> , 2009 , 138, 95-105	3.8	27
19	The dynamics of gene products fluctuation during bovine pre-hatching development. <i>Molecular Reproduction and Development</i> , 2009 , 76, 762-72	2.6	27
18	Identification of differentially expressed markers in human follicular cells associated with competent oocytes. <i>Human Reproduction</i> , 2008 , 23, 1118-27	5.7	179
17	The Amplification Bias That Hinders the Interpretation of Ontogenic Profiling During Early Development.. <i>Biology of Reproduction</i> , 2008 , 78, 71-72	3.9	
16	Using the histone H2a transcript as an endogenous standard to study relative transcript abundance during bovine early development. <i>Molecular Reproduction and Development</i> , 2007 , 74, 703-15	2.6	27
15	A molecular analysis of the population of mRNA in bovine spermatozoa. <i>Reproduction</i> , 2007 , 133, 1073-868	3.6	93
14	Cross-species hybridizations on a multi-species cDNA microarray to identify evolutionarily conserved genes expressed in oocytes. <i>BMC Genomics</i> , 2006 , 7, 113	4.5	37

13	Contribution of the oocyte to embryo quality. <i>Theriogenology</i> , 2006 , 65, 126-36	2.8	377
12	Potential and limitations of bovine-specific arrays for the analysis of mRNA levels in early development: preliminary analysis using a bovine embryonic array. <i>Reproduction, Fertility and Development</i> , 2005 , 17, 47-57	1.8	43
11	RNA interference as a tool to study gene function in bovine oocytes. <i>Molecular Reproduction and Development</i> , 2005 , 70, 111-21	2.6	43
10	Expression profiles of p53 and p66shc during oxidative stress-induced senescence in fetal bovine fibroblasts. <i>Experimental Cell Research</i> , 2004 , 299, 36-48	4.2	39
9	Quantification of histone acetyltransferase and histone deacetylase transcripts during early bovine embryo development. <i>Biology of Reproduction</i> , 2003 , 68, 383-9	3.9	86
8	Quantification of cyclin B1 and p34(cdc2) in bovine cumulus-oocyte complexes and expression mapping of genes involved in the cell cycle by complementary DNA macroarrays. <i>Biology of Reproduction</i> , 2002 , 67, 1456-64	3.9	44
7	Quantification of housekeeping transcript levels during the development of bovine preimplantation embryos. <i>Biology of Reproduction</i> , 2002 , 67, 1465-72	3.9	169
6	Differential display and suppressive subtractive hybridization used to identify granulosa cell messenger rna associated with bovine oocyte developmental competence. <i>Biology of Reproduction</i> , 2001 , 64, 1812-20	3.9	65
5	Messenger RNA levels of growth factors, ligands, receptors, and proteins affecting lipid metabolism in pigs. <i>Canadian Journal of Animal Science</i> , 2000 , 80, 559-567	0.9	1
4	Subtractive hybridization used to identify mRNA associated with the maturation of bovine oocytes. <i>Molecular Reproduction and Development</i> , 2000 , 57, 167-75	2.6	60
3	Backfat thickness in pigs is positively associated with leptin mRNA levels. <i>Canadian Journal of Animal Science</i> , 1998 , 78, 473-482	0.9	28
2	Analysis of the embryonic transcriptome 269-277		
1	The Fragile X Syndrome 1-9		1