VÃ©ronique Duranthon

List of Publications by Year
in descending order

64 papers	2,589 citations	218677 26 h-index	197818 49 g-index
74 all docs	74 docs citations	74 times ranked	3354 citing authors

#	Article	IF	Citations
1	Eutherian mammals use diverse strategies to initiate X-chromosome inactivation during development. Nature, 2011, 472, 370-374.	27.8	394
2	Rabbit genome analysis reveals a polygenic basis for phenotypic change during domestication. Science, 2014, 345, 1074-1079.	12.6	343
3	Rabbit as a reproductive model for human health. Reproduction, 2012, 144, 1-10.	2.6	164
4	Statistical Analysis of 3D Images Detects Regular Spatial Distributions of Centromeres and Chromocenters in Animal and Plant Nuclei. PLoS Computational Biology, 2010, 6, e1000853.	3.2	104
5	Preimplantation embryo programming: transcription, epigenetics, and culture environment. Reproduction, 2008, 135, 141-150.	2.6	97
6	Expression of Pluripotency Master Regulators during Two Key Developmental Transitions: EGA and Early Lineage Specification in the Bovine Embryo. PLoS ONE, 2012, 7, e34110.	2.5	87
7	Long term effects of ART: What do animals tell us?. Molecular Reproduction and Development, 2018, 85, 348-368.	2.0	76
8	The developmental competence of mammalian oocytes: a convenient but biologically fuzzy concept. Theriogenology, 2001, 55, 1277-1289.	2.1	66
9	Hyperlipidic hypercholesterolemic diet in prepubertal rabbits affects gene expression in the embryo, restricts fetal growth and increases offspring susceptibility to obesity. Theriogenology, 2011, 75, 287-299.	2.1	65
10	Sexual Dimorphism of the Feto-Placental Phenotype in Response to a High Fat and Control Maternal Diets in a Rabbit Model. PLoS ONE, 2013, 8, e83458.	2.5	62
11	The locus Om, responsible for the DDK syndrome, maps close to Sigje on mouse Chromosome 11. Mammalian Genome, 1992, 2, 100-105.	2.2	54
12	Onset of zygotic transcription and maternal transcript legacy in the rabbit embryo. Molecular Reproduction and Development, 2001, 58, 127-136.	2.0	53
13	Induced pluripotent stem cells derived from rabbits exhibit some characteristics of naÃ¯ve pluripotency. Biology Open, 2013, 2, 613-628.	1.2	50
14	Retrotransposon expression as a defining event of genome reprograming in fertilized and cloned bovine embryos. Reproduction, 2009, 138, 289-299.	2.6	49
15	Alteration of DNA demethylation dynamics by in vitro culture conditions in rabbit pre-implantation embryos. Epigenetics, 2012, 7, 440-446.	2.7	49
16	On the emerging role of rabbit as human disease model and the instrumental role of novel transgenic tools. Transgenic Research, 2012, 21, 699-713.	2.4	49
17	Lipid Identification and Transcriptional Analysis of Controlling Enzymes in Bovine Ovarian Follicle. International Journal of Molecular Sciences, 2018, 19, 3261.	4.1	43
18	Distribution of fibronectins and laminin in the early pig embryo. The Anatomical Record, 1989, 223, 72-81.	1.8	40

#	ARTICLE	IF	CITATIONS
19	Dynamics of DNA methylation levels in maternal and paternal rabbit genomes after fertilization. Epigenetics, 2011, 6, 987-993.	2.7	38
20	Review: Epigenetics, developmental programming and nutrition in herbivores. Animal, 2018, 12, s363-s371.	3.3	37
21	Identification of maternal transcripts that progressively disappear during the cleavage period of rabbit embryos. Molecular Reproduction and Development, 1997, 47, 353-362.	2.0	32
22	Mono(2-ethylhexyl) phthalate (MEHP) induces transcriptomic alterations in oocytes and their derived blastocysts. Toxicology, 2019, 421, 59-73.	4.2	32
23	Revealing the dynamics of gene expression during embryonic genome activation and first differentiation in the rabbit embryo with a dedicated array screening. Physiological Genomics, 2009, 36, 98-113.	2.3	29
24	Breeding animals for quality products: not only genetics. Reproduction, Fertility and Development, 2016, 28, 94.	0.4	29
25	Tight Junction Messenger RNA Expression Levels in Bovine Embryos are Dependent upon the Ability to Compact and In Vitro Culture Methods1. Biology of Reproduction, 2003, 68, 1394-1402.	2.7	28
26	Hepatoma-derived growth factor: from the bovine uterus to the in vitro embryo culture. Reproduction, 2014, 148, 353-365.	2.6	27
27	Molecular Characterization of Genomic Activities at the Onset of Zygotic Transcription in Mammals1. Biology of Reproduction, 2002, 67, 1907-1918.	2.7	26
28	Vitrification alters rabbit foetal placenta at transcriptomic and proteomic level. Reproduction, 2014, 147, 789-801.	2.6	25
29	Expression and localization of interleukin 1 beta and interleukin 1 receptor (type I) in the bovine endometrium and embryo. Journal of Reproductive Immunology, 2015, 110, 1-13.	1.9	23
30	Assessment of â€˜one-stepâ€™ versus â€˜sequentialâ€™ embryo culture conditions through embryonic genome methylation and hydroxymethylation changes. Human Reproduction, 2016, 31, 2471-2483.	0.9	23
31	SSH adequacy to preimplantation mammalian development: Scarce specific transcripts cloning despite irregular normalisation. BMC Genomics, 2005, 6, 155.	2.8	22
32	Genome-wide immunity studies in the rabbit: transcriptome variations in peripheral blood mononuclear cells after in vitro stimulation by LPS or PMA-Ionomycin. BMC Genomics, 2015, 16, 26.	2.8	21
33	A short periconceptional exposure to maternal type-1 diabetes is sufficient to disrupt the feto-placental phenotype in a rabbit model. Molecular and Cellular Endocrinology, 2019, 480, 42-53.	3.2	20
34	Identification of differentially expressed mRNAs in bovine preimplantation embryos. Zygote, 2003, 11, 43-52.	1.1	19
35	Generation of rabbit pluripotent stem cell lines. Theriogenology, 2012, 78, 1774-1786.	2.1	19
36	Docosahexaenoic acid mechanisms of action on the bovine oocyte-cumulus complex. Journal of Ovarian Research, 2017, 10, 74.	3.0	19

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37	Early embryonic and endometrial regulation of tumor necrosis factor and tumor necrosis factor receptor 2 in the cattle uterus. Theriogenology, 2015, 83, 1028-1037.	2.1	18
38	Reprogramming of rabbit induced pluripotent stem cells toward epiblast and chimeric competency using KrÃ¼ppel-like factors. Stem Cell Research, 2017, 24, 106-117.	0.7	18
39	Synthesis and developmental regulation of an egg specific mouse protein translated from maternal mRNA. Molecular Reproduction and Development, 1991, 28, 218-229.	2.0	17
40	PCR-generated cDNA libraries from reduced numbers of mouse oocytes. Zygote, 1995, 3, 241-250.	1.1	17
41	Heterochromatin reprogramming in rabbit embryos after fertilization, intra-, and inter-species SCNT correlates with preimplantation development. Reproduction, 2013, 145, 149-159.	2.6	17
42	A Panel of Embryonic Stem Cell Lines Reveals the Variety and Dynamic of Pluripotent States in Rabbits. Stem Cell Reports, 2016, 7, 383-398.	4.8	17
43	Contrasting transcriptome landscapes of rabbit pluripotent stem cells in vitro and in vivo. Animal Reproduction Science, 2014, 149, 67-79.	1.5	15
44	Prosurvival effect of cumulus prostaglandin G/H synthase 2/prostaglandin2 signaling on bovine blastocyst: impact on in vivo posthatching developmentâ€. Biology of Reproduction, 2017, 96, 531-541.	2.7	13
45	Regulation of heat-inducible HSPA1A gene expression during maternal-to-embryo transition and in response to heat in in vitro-produced bovine embryos. Reproduction, Fertility and Development, 2017, 29, 1868.	0.4	12
46	Maternal ageing impairs mitochondrial DNA kinetics during early embryogenesis in mice. Human Reproduction, 2019, 34, 1313-1324.	0.9	12
47	Differentiation of derived rabbit trophoblast stem cells under fluid shear stress to mimic the trophoblastic barrier. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1608-1618.	2.4	11
48	Progressive methylation of POU5F1 regulatory regions during blastocyst development. Reproduction, 2018, 156, 145-161.	2.6	9
49	Localisation of stem cell factor, stanniocalcin-1, connective tissue growth factor and heparin-binding epidermal growth factor in the bovine uterus at the time of blastocyst formation. Reproduction, Fertility and Development, 2017, 29, 2127.	0.4	8
50	Expression and localization of ARTEMIN in the bovine uterus and embryos. Theriogenology, 2017, 90, 153-162.	2.1	8
51	Effects of first-generation in utero exposure to diesel engine exhaust on second-generation placental function, fatty acid profiles and foetal metabolism in rabbits: preliminary results. Scientific Reports, 2019, 9, 9710.	3.3	8
52	Investigating the role of BCAR4 in ovarian physiology and female fertility by genome editing in rabbit. Scientific Reports, 2020, 10, 4992.	3.3	8
53	Gene Expression Analysis in Early Embryos Through Reverse Transcription Quantitative PCR (RT-qPCR). Methods in Molecular Biology, 2015, 1222, 181-196.	0.9	7
54	Gametes, Embryos, and Their Epigenome: Considerations for Equine Embryo Technologies. Journal of Equine Veterinary Science, 2016, 41, 13-21.	0.9	6

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55	Three-dimensional analysis of nuclear heterochromatin distribution during early development in the rabbit. Chromosoma, 2018, 127, 387-403.	2.2	6
56	Acquisition of endogenous ecotropic MuLV can occur before the late one-cell stage in the genital tract of SWR/J-RF/J hybrid females. The Journal of Experimental Zoology, 1989, 252, 96-100.	1.4	5
57	Different co-culture systems have the same impact on bovine embryo transcriptome. Reproduction, 2017, 154, 695-710.	2.6	5
58	Random Allocation of Blastomere Descendants to the Trophectoderm and ICM of the Bovine Blastocyst. Biology of Reproduction, 2016, 95, 123-123.	2.7	4
59	Control of inner cells' proportion by asymmetric divisions and ensuing resilience of cloned rabbit embryos. Development (Cambridge), 2018, 145, .	2.5	4
60	Differential regulation of LTR retrotransposons during the transition from totipotency to pluripotency in mammalian embryos. Retrovirology, 2009, 6, .	2.0	1
61	35 DYNAMICS OF PERICENTRIC REPETITIVE SEQUENCES IN PREIMPLANTATION RABBIT EMBRYOS UNDERLINES INADEQUATE SPATIO-TEMPORAL REORGANIZATION AFTER NUCLEAR TRANSFER. Reproduction, Fertility and Development, 2012, 24, 130.	0.4	1
62	S05-04. Evolutionary diversity and developmental dynamics of X-chromosome inactivation. Mechanisms of Development, 2009, 126, S7.	1.7	0
63	Sexual dimorphism starting from the blastocyst stage in response to an imbalanced maternal diet in a rabbit model. Placenta, 2013, 34, A18.	1.5	0
64	Effects of maternal Au-NP exposure by inhalation on feto-placental development and placental function, in a rabbit model. Placenta, 2019, 83, e110-e111.	1.5	0