

# Henrik Callesen

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/11065391/henrik-callesen-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57  
papers

1,788  
citations

24  
h-index

41  
g-index

58  
ext. papers

1,928  
ext. citations

3  
avg, IF

4.04  
L-index

#	Paper	IF	Citations
57	Preovulatory endocrinology and oocyte maturation in superovulated cattle. <i>Theriogenology</i> , <b>1986</b> , 25, 71-86	2.8	161
56	A high proportion of bovine blastocysts produced in vitro are mixoploid. <i>Biology of Reproduction</i> , <b>1999</b> , 60, 1273-8	3.9	147
55	Familial hypercholesterolemia and atherosclerosis in cloned minipigs created by DNA transposition of a human PCSK9 gain-of-function mutant. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 166ra1	17.5	139
54	Handmade somatic cell cloning in cattle: analysis of factors contributing to high efficiency in vitro. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 571-8	3.9	119
53	DNA methylation in porcine preimplantation embryos developed in vivo and produced by in vitro fertilization, parthenogenetic activation and somatic cell nuclear transfer. <i>Epigenetics</i> , <b>2011</b> , 6, 177-87	5.7	86
52	High efficiency of BRCA1 knockout using rAAV-mediated gene targeting: developing a pig model for breast cancer. <i>Transgenic Research</i> , <b>2011</b> , 20, 975-88	3.3	70
51	Numerical chromosome errors in day 7 somatic nuclear transfer bovine blastocysts. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 922-8	3.9	66
50	Non-invasive assessment of in-vitro embryo quality to improve transfer success. <i>Reproductive BioMedicine Online</i> , <b>2015</b> , 31, 585-92	4	63
49	Time course of pronuclear deoxyribonucleic acid synthesis in parthenogenetically activated bovine oocytes. <i>Biology of Reproduction</i> , <b>1997</b> , 57, 27-35	3.9	57
48	Pig transgenesis by Sleeping Beauty DNA transposition. <i>Transgenic Research</i> , <b>2011</b> , 20, 533-45	3.3	55
47	Quantification of embryo quality by respirometry. <i>Theriogenology</i> , <b>2007</b> , 67, 21-31	2.8	54
46	In vivo versus in vitro produced bovine ova: similarities and differences relevant for practical application. <i>Reproduction, Nutrition, Development</i> , <b>1998</b> , 38, 579-94		54
45	The effect of oxygen tension on porcine embryonic development is dependent on embryo type. <i>Theriogenology</i> , <b>2005</b> , 63, 2040-52	2.8	53
44	Production of a healthy calf by somatic cell nuclear transfer without micromanipulators and carbon dioxide incubators using the Handmade Cloning (HMC) and the Submarine Incubation System (SIS). <i>Theriogenology</i> , <b>2004</b> , 62, 1465-72	2.8	51
43	Osmotic stress induced by sodium chloride, sucrose or trehalose improves cryotolerance and developmental competence of porcine oocytes. <i>Reproduction, Fertility and Development</i> , <b>2009</b> , 21, 338-44 <sup>8</sup>	1.8	40
42	Development of transgenic cloned pig models of skin inflammation by DNA transposon-directed ectopic expression of human $\alpha$ and $\beta$ integrin. <i>PLoS ONE</i> , <b>2012</b> , 7, e36658	3.7	34
41	Highly efficient and reliable chemically assisted enucleation method for handmade cloning in cattle. <i>Reproduction, Fertility and Development</i> , <b>2005</b> , 17, 791-7	1.8	30

40	Nucleolar ultrastructure in bovine nuclear transfer embryos. <i>Molecular Reproduction and Development</i> , <b>1999</b> , 52, 253-63	2.6	30
39	Factors affecting the developmental stage of embryos recovered on day 7 from superovulated dairy cattle. <i>Journal of Animal Science</i> , <b>1995</b> , 73, 1539-43	0.7	29
38	Generation of minipigs with targeted transgene insertion by recombinase-mediated cassette exchange (RMCE) and somatic cell nuclear transfer (SCNT). <i>Transgenic Research</i> , <b>2013</b> , 22, 709-23	3.3	28
37	Activation of the ribosomal RNA genes late in the third cell cycle of porcine embryos. <i>Biology of Reproduction</i> , <b>2002</b> , 66, 629-34	3.9	28
36	Ultrasonically guided aspiration of bovine follicular oocytes. <i>Theriogenology</i> , <b>1987</b> , 27, 217	2.8	26
35	Rapid growth and elongation of bovine blastocysts in vitro in a three-dimensional gel system. <i>Theriogenology</i> , <b>2004</b> , 62, 1253-63	2.8	24
34	Ribosomal ribonucleic acid is transcribed at the 4-cell stage in in vitro-produced bovine embryos. <i>Biology of Reproduction</i> , <b>1998</b> , 59, 626-31	3.9	24
33	Effect of red light on the development and quality of mammalian embryos. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2014</b> , 31, 795-801	3.4	22
32	A genetically inducible porcine model of intestinal cancer. <i>Molecular Oncology</i> , <b>2017</b> , 11, 1616-1629	7.9	22
31	Expression of nucleolar-related proteins in porcine preimplantation embryos produced in vivo and in vitro. <i>Biology of Reproduction</i> , <b>2004</b> , 70, 867-76	3.9	21
30	Rendez-vous in the oviduct: implications for superovulation and embryo transfer. <i>Reproduction, Nutrition, Development</i> , <b>2001</b> , 41, 451-9		20
29	Expression of the Alzheimer's Disease Mutations APP695sw and PSEN1M146I in Double-Transgenic Göttingen Minipigs. <i>Journal of Alzheimer's Disease</i> , <b>2016</b> , 53, 1617-30	4.3	20
28	Clinical experience with embryos produced by handmade cloning: work in progress. <i>Molecular and Cellular Endocrinology</i> , <b>2005</b> , 234, 137-43	4.4	18
27	Increasing efficiency in production of cloned piglets. <i>Cellular Reprogramming</i> , <b>2014</b> , 16, 407-10	2.1	17
26	In vitro manipulation techniques of porcine embryos: a meta-analysis related to transfers, pregnancies and piglets. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 429-39	1.8	16
25	In vitro production of bovine embryos: A progress report and the consequences on the genetic upgrading of cattle populations. <i>Animal Reproduction Science</i> , <b>1993</b> , 33, 51-69	2.1	16
24	Increased blastocyst formation of cloned porcine embryos produced with donor cells pre-treated with <i>Xenopus</i> egg extract and/or digitonin. <i>Zygote</i> , <b>2012</b> , 20, 61-6	1.6	14
23	Early aberrations in chromatin dynamics in embryos produced under in vitro conditions. <i>Cellular Reprogramming</i> , <b>2012</b> , 14, 225-34	2.1	13

22	Passage number of porcine embryonic germ cells affects epigenetic status and blastocyst rate following somatic cell nuclear transfer. <i>Animal Reproduction Science</i> , <b>2014</b> , 147, 39-46	2.1	10
21	Apolipoprotein E Deficiency Increases Remnant Lipoproteins and Accelerates Progressive Atherosclerosis, But Not Xanthoma Formation, in Gene-Modified Minipigs. <i>JACC Basic To Translational Science</i> , <b>2017</b> , 2, 591-600	8.7	10
20	Development and quality of porcine parthenogenetically activated embryos after removal of zona pellucida. <i>Theriogenology</i> , <b>2013</b> , 80, 58-64	2.8	9
19	Integrating new technologies with embryology and animal production. <i>Reproduction, Fertility and Development</i> , <b>2004</b> , 16, 113	1.8	9
18	Effects of high hydrostatic pressure on genomic expression profiling of porcine parthenogenetic activated and cloned embryos. <i>Reproduction, Fertility and Development</i> , <b>2014</b> , 26, 469-84	1.8	8
17	Optimal developmental stage for vitrification of parthenogenetically activated porcine embryos. <i>Cryobiology</i> , <b>2012</b> , 64, 60-4	2.7	8
16	Initial embryology and pluripotent stem cells in the pig--The quest for establishing the pig as a model for cell therapy. <i>Theriogenology</i> , <b>2016</b> , 85, 162-71	2.8	7
15	Developmental Competence and Epigenetic Profile of Porcine Embryos Produced by Two Different Cloning Methods. <i>Cellular Reprogramming</i> , <b>2017</b> , 19, 171-179	2.1	7
14	Developmental potential of pig embryos reconstructed by use of sow versus pre-pubertal gilt oocytes after somatic cell nuclear transfer. <i>Zygote</i> , <b>2014</b> , 22, 356-65	1.6	6
13	Long-term effect on in vitro cloning efficiency after treatment of somatic cells with Xenopus egg extract in the pig. <i>Reproduction, Fertility and Development</i> , <b>2014</b> , 26, 1017-31	1.8	6
12	Evaluation of porcine stem cell competence for somatic cell nuclear transfer and production of cloned animals. <i>Animal Reproduction Science</i> , <b>2017</b> , 178, 40-49	2.1	5
11	Optimization of three-dimensional imaging on in vitro produced porcine blastocysts and chimeras for stem cell testing: a technology report. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 1141-5	4.4	5
10	Establishment of a pig fibroblast-derived cell line for locus-directed transgene expression in cell cultures and blastocysts. <i>Molecular Biology Reports</i> , <b>2011</b> , 38, 151-61	2.8	5
9	Challenge testing of gametes to enhance their viability. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 40-6	1.8	5
8	Developmental potential and kinetics of pig embryos with different cytoplasmic volume. <i>Zygote</i> , <b>2015</b> , 23, 277-87	1.6	4
7	Pancreas specific expression of oncogenes in a porcine model. <i>Transgenic Research</i> , <b>2017</b> , 26, 603-612	3.3	4
6	Psoriasiform skin disease in transgenic pigs with high-copy ectopic expression of human integrins $\alpha$ and $\beta$ . <i>DMM Disease Models and Mechanisms</i> , <b>2017</b> , 10, 869-880	4.1	4
5	Porcine oocyte mtDNA copy number is high or low depending on the donor. <i>Zygote</i> , <b>2016</b> , 24, 617-23	1.6	4

4	Ultrastructure and mitochondrial numbers in pre- and postpubertal pig oocytes. <i>Reproduction, Fertility and Development</i> , <b>2016</b> , 28, 586-98	1.8	4
3	Cytoplasmic membrane activities during first cleavage of zona-free porcine embryos: description and consequences. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 557-564	1.8	1
2	Bovine in-vitro produced embryos: Development of embryo proper and associated membranes from day 26 to 47 of gestation. <i>Reproductive Biology</i> , <b>2020</b> , 20, 595-599	2.3	0
1	Embryo Transfer and Other Assisted Reproductive Technologies <b>2019</b> , 778-805		