

# Katrien Smits

## 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.

25  
papers

324  
citations

12  
h-index

17  
g-index

31  
ext. papers

395  
ext. citations

3.4  
avg, IF

2.91  
L-index

#	Paper	IF	Citations
25	Hatching is modulated by microRNA-378a-3p derived from extracellular vesicles secreted by blastocysts.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2122708119	11.5	4
24	51&#x2003;Genome-wide abnormalities resulting from heterogoneic cell division persist in the blastocyst-stage bovine embryo.. <i>Reproduction, Fertility and Development</i> , <b>2021</b> , 34, 260-261	1.8	
23	58&#x2003;The embryotrophic effect of cathepsin-L in a bovine model.. <i>Reproduction, Fertility and Development</i> , <b>2021</b> , 34, 264-265	1.8	
22	42&#x2003;Comparison of three permeating cryoprotectant mixtures for equine immature oocyte vitrification.. <i>Reproduction, Fertility and Development</i> , <b>2021</b> , 34, 256	1.8	
21	A high glucose concentration during early stages of in vitro equine embryo development alters expression of genes involved in glucose metabolism. <i>Equine Veterinary Journal</i> , <b>2021</b> , 53, 787-795	2.4	2
20	Maternal Recognition of Pregnancy in the Horse: Are MicroRNAs the Secret Messengers?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
19	Cryopreservation of equine oocytes: looking into the crystal ball. <i>Reproduction, Fertility and Development</i> , <b>2020</b> , 32, 453-467	1.8	5
18	Bta-miR-10b Secreted by Bovine Embryos Negatively Impacts Preimplantation Embryo Quality. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 757	4.5	6
17	Intracellular localisation of platelet-activating factor during mammalian embryo development in vitro: a comparison of cattle, mouse and human. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 31, 658-670	1.8	18
16	Blastocyst production after intracytoplasmic sperm injection with semen from a stallion with testicular degeneration. <i>Reproduction in Domestic Animals</i> , <b>2018</b> , 53, 814-817	1.6	3
15	Proteins involved in embryo-maternal interaction around the signalling of maternal recognition of pregnancy in the horse. <i>Scientific Reports</i> , <b>2018</b> , 8, 5249	4.9	33
14	An improved vitrification protocol for equine immature oocytes, resulting in a first live foal. <i>Equine Veterinary Journal</i> , <b>2018</b> , 50, 391-397	2.4	24
13	Platelet-activating factor acetylhydrolase 1B3 (PAFAH1B3) is required for the formation of the meiotic spindle during in vitro oocyte maturation. <i>Reproduction, Fertility and Development</i> , <b>2018</b> , 30, 1739-1750	1.8	5
12	Proteome of equine oviducal fluid: effects of ovulation and pregnancy. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 1085-1095	1.8	24
11	Dynamics of 5-methylcytosine and 5-hydroxymethylcytosine during pronuclear development in equine zygotes produced by ICSI. <i>Epigenetics and Chromatin</i> , <b>2017</b> , 10, 13	5.8	12
10	Role of cumulus cells during vitrification and fertilization of immature bovine oocytes: Effects on survival, fertilization, and blastocyst development. <i>Theriogenology</i> , <b>2016</b> , 86, 635-41	2.8	23
9	The Equine Embryo Influences Immune-Related Gene Expression in the Oviduct. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 36	3.9	27

8	Steroids affect gene expression, ciliary activity, glucose uptake, progesterone receptor expression and immunoreactive steroidogenic protein expression in equine oviduct explants in vitro. <i>Reproduction, Fertility and Development</i> , <b>2016</b> , 28, 1926-1944	1.8	5
7	Procaine Induces Cytokinesis in Horse Oocytes via a pH-Dependent Mechanism. <i>Biology of Reproduction</i> , <b>2015</b> , 93, 23	3.9	21
6	Asymmetric histone 3 methylation pattern between paternal and maternal pronuclei in equine zygotes. <i>Analytical Biochemistry</i> , <b>2015</b> , 471, 67-9	3.1	6
5	Equine oviduct explant culture: a basic model to decipher embryo-maternal communication. <i>Reproduction, Fertility and Development</i> , <b>2014</b> , 26, 954-66	1.8	13
4	Breeding or assisted reproduction? Relevance of the horse model applied to the conservation of endangered equids. <i>Reproduction in Domestic Animals</i> , <b>2012</b> , 47 Suppl 4, 239-48	1.6	33
3	Influence of the uterine environment on the development of in vitro-produced equine embryos. <i>Reproduction</i> , <b>2012</b> , 143, 173-81	3.8	20
2	In vivo-derived horse blastocysts show transcriptional upregulation of developmentally important genes compared with in vitro-produced horse blastocysts. <i>Reproduction, Fertility and Development</i> , <b>2011</b> , 23, 364-75	1.8	20
1	Selection of reference genes for quantitative real-time PCR in equine in vivo and fresh and frozen-thawed in vitro blastocysts. <i>BMC Research Notes</i> , <b>2009</b> , 2, 246	2.3	32