

Bjrn Oback

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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.

40
papers

1,556
citations

22
h-index

39
g-index

46
ext. papers

1,721
ext. citations

3.8
avg, IF

4.34
L-index

#	Paper	IF	Citations
40	Expression of the antiproliferative gene TIS21 at the onset of neurogenesis identifies single neuroepithelial cells that switch from proliferative to neuron-generating division. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 4639-44	11.5	170
39	Coordination between donor cell type and cell cycle stage improves nuclear cloning efficiency in cattle. <i>Theriogenology</i> , 2003 , 59, 45-59	2.8	141
38	Cloned cattle derived from a novel zona-free embryo reconstruction system. <i>Cloning and Stem Cells</i> , 2003 , 5, 3-12		118
37	The health of somatic cell cloned cattle and their offspring. <i>Cloning and Stem Cells</i> , 2004 , 6, 101-10		101
36	Donor cells for nuclear cloning: many are called, but few are chosen. <i>Cloning and Stem Cells</i> , 2002 , 4, 147-68		85
35	Red deer cloned from antler stem cells and their differentiated progeny. <i>Biology of Reproduction</i> , 2007 , 77, 384-94	3.9	73
34	AC electric field induced dipole-based on-chip 3D cell rotation. <i>Lab on A Chip</i> , 2014 , 14, 2717-27	7.2	63
33	Cloning cattle. <i>Cloning and Stem Cells</i> , 2003 , 5, 243-56		60
32	A virus-free poly-promoter vector induces pluripotency in quiescent bovine cells under chemically defined conditions of dual kinase inhibition. <i>PLoS ONE</i> , 2011 , 6, e24501	3.7	59
31	Donor cell differentiation, reprogramming, and cloning efficiency: elusive or illusive correlation?. <i>Molecular Reproduction and Development</i> , 2007 , 74, 646-54	2.6	57
30	Early zygotes are suitable recipients for bovine somatic nuclear transfer and result in cloned offspring. <i>Reproduction</i> , 2006 , 132, 839-48	3.8	55
29	Transient JMJD2B-mediated reduction of H3K9me3 levels improves reprogramming of embryonic stem cells into cloned embryos. <i>Molecular and Cellular Biology</i> , 2013 , 33, 974-83	4.8	50
28	Aggregating embryonic but not somatic nuclear transfer embryos increases cloning efficiency in cattle. <i>Biology of Reproduction</i> , 2007 , 76, 268-78	3.9	46
27	Neuroepithelial cells downregulate their plasma membrane polarity prior to neural tube closure and neurogenesis. <i>Mechanisms of Development</i> , 1997 , 69, 71-81	1.7	45
26	Climbing Mount Efficiency--small steps, not giant leaps towards higher cloning success in farm animals. <i>Reproduction in Domestic Animals</i> , 2008 , 43 Suppl 2, 407-16	1.6	33
25	Exposure to DNA is insufficient for in vitro transgenesis of live bovine sperm and embryos. <i>Reproduction</i> , 2013 , 145, 97-108	3.8	30
24	Inhibition of MAP2K and GSK3 signaling promotes bovine blastocyst development and epiblast-associated expression of pluripotency factors. <i>Biology of Reproduction</i> , 2013 , 88, 74	3.9	27

23	Cloning cattle: the methods in the madness. <i>Advances in Experimental Medicine and Biology</i> , 2007 , 591, 30-57	3.6	27
22	Development of a zona-free method of nuclear transfer in the mouse. <i>Cloning and Stem Cells</i> , 2005 , 7, 126-38		26
21	Signal Inhibition Reveals JAK/STAT3 Pathway as Critical for Bovine Inner Cell Mass Development. <i>Biology of Reproduction</i> , 2015 , 93, 132	3.9	23
20	Dual kinase inhibition promotes pluripotency in finite bovine embryonic cell lines. <i>Stem Cells and Development</i> , 2013 , 22, 1728-42	4.4	23
19	Practical aspects of donor cell selection for nuclear cloning. <i>Cloning and Stem Cells</i> , 2002 , 4, 169-74		23
18	KDM4B-mediated reduction of H3K9me3 and H3K36me3 levels improves somatic cell reprogramming into pluripotency. <i>Scientific Reports</i> , 2017 , 7, 7514	4.9	20
17	Cloning from stem cells: different lineages, different species, same story. <i>Reproduction, Fertility and Development</i> , 2009 , 21, 83-94	1.8	20
16	A novel micropit device integrates automated cell positioning by dielectrophoresis and nuclear transfer by electrofusion. <i>Biomedical Microdevices</i> , 2010 , 12, 777-86	3.7	20
15	Cloning livestock: a return to embryonic cells. <i>Trends in Biotechnology</i> , 2003 , 21, 428-32	15.1	20
14	Couplet alignment and improved electrofusion by dielectrophoresis for a zona-free high-throughput cloned embryo production system. <i>Medical and Biological Engineering and Computing</i> , 2005 , 43, 150-4	3.1	20
13	Increased MAP kinase inhibition enhances epiblast-specific gene expression in bovine blastocysts. <i>Biology of Reproduction</i> , 2014 , 91, 49	3.9	19
12	Cattle cloned from increasingly differentiated muscle cells. <i>Biology of Reproduction</i> , 2007 , 77, 395-406	3.9	19
11	Identification of MINUS, a small polypeptide that functions as a microtubule nucleation suppressor. <i>EMBO Journal</i> , 1999 , 18, 565-77	13	18
10	Quiescence Loosens Epigenetic Constraints in Bovine Somatic Cells and Improves Their Reprogramming into Totipotency. <i>Biology of Reproduction</i> , 2016 , 95, 16	3.9	13
9	Modifications to improve the efficiency of zona-free mouse nuclear transfer. <i>Cloning and Stem Cells</i> , 2006 , 8, 10-5		13
8	Coplanar film electrodes facilitate bovine nuclear transfer cloning. <i>Biomedical Microdevices</i> , 2009 , 11, 851-9	3.7	11
7	Optimized production of transgenic buffalo embryos and offspring by cytoplasmic zygote injection. <i>Journal of Animal Science and Biotechnology</i> , 2015 , 6, 44	6	9
6	Multiple-Cylindrical Electrode System for Rotational Electric Field Generation in Particle Rotation Applications. <i>International Journal of Advanced Robotic Systems</i> , 2015 , 12, 84	1.4	5

5	A micropit for biological cell positioning 2009 ,		4
4	Episomal minicircles persist in periods of transcriptional inactivity and can be transmitted through somatic cell nuclear transfer into bovine embryos. <i>Molecular Biology Reports</i> , 2019 , 46, 1737-1746	2.8	3
3	Bovine blastocyst development depends on threonine catabolism		3
2	Testes of DAZL null neonatal sheep lack prospermatogonia but maintain normal somatic cell morphology and marker expression. <i>Molecular Reproduction and Development</i> , 2021 , 88, 3-14	2.6	2
1	Targeted demethylation of H3K9me3 and H3K36me3 improves somatic cell reprogramming into cloned preimplantation but not postimplantation bovine concepti		1