

Carol L Keefer

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.

43
papers

1,775
citations

21
h-index

42
g-index

43
ext. papers

1,870
ext. citations

3
avg, IF

4.76
L-index

#	Paper	IF	Citations
43	Nanoparticle technology improves in-vitro attachment of cattle (<i>Bos taurus</i>) trophectoderm cells. <i>Biotechnology Letters</i> , 2020 , 42, 2083-2089	3	0
42	Combinations of Growth Factors Regulating LIF/STAT3, WNT, and FGF2 Pathways Sustain Pluripotency-Related Proteins in Cat Embryonic Cells. <i>Stem Cells and Development</i> , 2019 , 28, 329-340	4.4	5
41	Analysis of metabolic flux in felid spermatozoa using metabolomics and ¹³ C-based fluxomics. <i>Biology of Reproduction</i> , 2019 , 100, 1261-1274	3.9	1
40	Endogenous pluripotent factor expression after reprogramming cat fetal fibroblasts using inducible transcription factors. <i>Molecular Reproduction and Development</i> , 2019 , 86, 1671-1681	2.6	3
39	Cryopreservation effects on sperm function and fertility in two threatened crane species. <i>Cryobiology</i> , 2018 , 82, 148-154	2.7	12
38	Stem cell factor promotes in vitro ovarian follicle development in the domestic cat by upregulating c-kit mRNA expression and stimulating the phosphatidylinositol 3-kinase/AKT pathway. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1356-1368	1.8	15
37	Conservation of spermatogonial stem cell marker expression in undifferentiated felid spermatogonia. <i>Theriogenology</i> , 2016 , 86, 1022-1035.e3	2.8	8
36	Female gonadal hormones and reproductive behaviors as key determinants of successful reproductive output of breeding whooping cranes (<i>Grus americana</i>). <i>General and Comparative Endocrinology</i> , 2016 , 230-231, 158-65	3	5
35	Artificial cloning of domestic animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8874-8	11.5	91
34	Epidermal growth factor (EGF) sustains in vitro primordial follicle viability by enhancing stromal cell proliferation via MAPK and PI3K pathways in the prepubertal, but not adult, cat ovary. <i>Biology of Reproduction</i> , 2014 , 90, 86	3.9	42
33	Oral and injectable synthetic progestagens effectively manipulate the estrous cycle in the Przewalski's horse (<i>Equus ferus przewalskii</i>). <i>Animal Reproduction Science</i> , 2014 , 148, 42-52	2.1	6
32	CDX2 regulates multiple trophoblast genes in bovine trophectoderm CT-1 cells. <i>Molecular Reproduction and Development</i> , 2013 , 80, 826-39	2.6	28
31	Monitoring bovine fetal fibroblast reprogramming utilizing a bovine NANOG promoter-driven EGFP reporter system. <i>Molecular Reproduction and Development</i> , 2013 , 80, 193-203	2.6	10
30	Reality-Based Real-Time Cell Indentation Simulator. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012 , 17, 239-250	5.5	15
29	Abnormal reproductive patterns in Przewalski's mares are associated with a loss in gene diversity. <i>Biology of Reproduction</i> , 2012 , 86, 28	3.9	8
28	Optimization of a lipidoid-based plasmid DNA transfection protocol for bovine trophectoderm CT-1 cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2012 , 48, 403-6	2.6	6
27	An Error-In-Variables (EIV) based Bayesian probabilistic approach to estimating cell mechanical properties using Atomic Force Microscopy 2012 ,		1

26	Mechanical phenotyping of stem cells. <i>Theriogenology</i> , 2011 , 75, 1426-30	2.8	8
25	Mechanical phenotyping of mouse embryonic stem cells: increase in stiffness with differentiation. <i>Cellular Reprogramming</i> , 2011 , 13, 371-80	2.1	67
24	Realistic visual and haptic feedback simulator for real-time cell indentation 2010 ,		2
23	Atomic force microscopy-based single-cell indentation: Experimentation and finite element simulation 2009 ,		25
22	Mechanical characterization of mouse embryonic stem cells. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 1176-9	0.9	7
21	Expression of pluripotency-related genes during bovine inner cell mass explant culture. <i>Cloning and Stem Cells</i> , 2009 , 11, 355-65		45
20	Mechanical Response of Embryonic Stem Cells Using Haptics-Enabled Atomic Force Microscopy. <i>Springer Tracts in Advanced Robotics</i> , 2009 , 261-269	0.5	6
19	Lymphoid enhancer factor 1-mediated Wnt signaling promotes the initiation of trophoblast lineage differentiation in mouse embryonic stem cells. <i>Stem Cells</i> , 2008 , 26, 842-9	5.8	53
18	Lessons learned from nuclear transfer (cloning). <i>Theriogenology</i> , 2008 , 69, 48-54	2.8	30
17	Mechanical characterization of fixed undifferentiated and differentiating mESC 2008 ,		6
16	Challenges and prospects for the establishment of embryonic stem cell lines of domesticated ungulates. <i>Animal Reproduction Science</i> , 2007 , 98, 147-68	2.1	142
15	Developmental expression of pluripotency determining factors in caprine embryos: novel pattern of NANOG protein localization in the nucleolus. <i>Molecular Reproduction and Development</i> , 2006 , 73, 1512-22	2.6	74
14	Transgenesis using nuclear transfer in goats. <i>Methods in Molecular Biology</i> , 2006 , 348, 213-26	1.4	6
13	Production of bioproducts through the use of transgenic animal models. <i>Animal Reproduction Science</i> , 2004 , 82-83, 5-12	2.1	46
12	Cryopreservation of goat oocytes and in vivo derived 2- to 4-cell embryos using the cryoloop (CLV) and solid-surface vitrification (SSV) methods. <i>Theriogenology</i> , 2003 , 59, 1839-50	2.8	84
11	Influence of GnRH administration on timing of the LH surge and ovulation in dwarf goats. <i>Theriogenology</i> , 2003 , 60, 397-406	2.8	18
10	Developmental competence of prepubertal and adult goat oocytes cultured in semi-defined media following laparoscopic recovery. <i>Theriogenology</i> , 2003 , 60, 879-89	2.8	59
9	Transgene expression of green fluorescent protein and germ line transmission in cloned calves derived from in vitro-transfected somatic cells. <i>Biology of Reproduction</i> , 2003 , 68, 2013-23	3.9	68

8	Pluripotent bovine embryonic cell lines direct embryonic development following nuclear transfer. <i>Biology of Reproduction</i> , 1996 , 54, 100-10	3.9	214
7	Bovine nuclear transfer embryos: oocyte activation prior to blastomere fusion. <i>Molecular Reproduction and Development</i> , 1994 , 38, 61-8	2.6	81
6	Multiple generational bovine embryo cloning. <i>Biology of Reproduction</i> , 1993 , 48, 715-9	3.9	83
5	Cleavage development of bovine oocytes fertilized by sperm injection. <i>Molecular Reproduction and Development</i> , 1990 , 25, 281-5	2.6	85
4	New techniques for assisted fertilization. <i>Theriogenology</i> , 1990 , 33, 101-112	2.8	6
3	Fertilization by sperm injection in the rabbit. <i>Gamete Research</i> , 1989 , 22, 59-69		88
2	Interspecies differences in the stability of mammalian sperm nuclei assessed in vivo by sperm microinjection and in vitro by flow cytometry. <i>Biology of Reproduction</i> , 1988 , 39, 157-67	3.9	144
1	Spontaneous activation of ovulated rat oocytes during in vitro culture. <i>The Journal of Experimental Zoology</i> , 1982 , 224, 371-7		72