Charles R Long

List of Publications by Year
in descending order

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40	2,291	430874 18	302126 39
papers	citations	h-index	g-index

40	40	40	2280
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient TALEN-mediated gene knockout in livestock. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17382-17387.	7.1	524
2	Evidence for Placental Abnormality as the Major Cause of Mortality in First-Trimester Somatic Cell Cloned Bovine Fetuses1. Biology of Reproduction, 2000, 63, 1787-1794.	2.7	407
3	Genome edited sheep and cattle. Transgenic Research, 2015, 24, 147-153.	2.4	203
4	Development Rates of Male Bovine Nuclear Transfer Embryos Derived from Adult and Fetal Cells1. Biology of Reproduction, 2000, 62, 1135-1140.	2.7	191
5	Suppression of prion protein in livestock by RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5285-5290.	7.1	127
6	Epigenetic and Genomic Imprinting Analysis in Nuclear Transfer Derived Bos gaurus/Bos taurus Hybrid Fetuses1. Biology of Reproduction, 2004, 71, 470-478.	2.7	101
7	Chromatin and microtubule morphology during the first cell cycle in bovine zygotes. Molecular Reproduction and Development, 1993, 36, 23-32.	2.0	73
8	Inactivation of histone H1 kinase by Ca2+ in rabbit oocytes. Molecular Reproduction and Development, 1995, 40, 253-258.	2.0	66
9	Molecular and preclinical basis to inhibit PGE ₂ receptors EP2 and EP4 as a novel nonsteroidal therapy for endometriosis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9716-9721.	7.1	62
10	Reshaping the transcriptional frontier: Epigenetics and somatic cell nuclear transfer. Molecular Reproduction and Development, 2014, 81, 183-193.	2.0	53
11	Dual labeling of the cytoskeleton and DNA strand breaks in porcine embryos produced in vivo and in vitro. Molecular Reproduction and Development, 1998, 51, 59-65.	2.0	47
12	DNA methylation-independent growth restriction and altered developmental programming in a mouse model of preconception male alcohol exposure. Epigenetics, 2017, 12, 841-853.	2.7	46
13	Examination of DNA methyltransferase expression in cloned embryos reveals an essential role for Dnmt1 in bovine development. Molecular Reproduction and Development, 2011, 78, 306-317.	2.0	43
14	Genetic engineering a large animal model of human hypophosphatasia in sheep. Scientific Reports, 2018, 8, 16945.	3.3	41
15	Factors involved in nuclear reprogramming during early development in the rabbit. Molecular Reproduction and Development, 1995, 40, 292-304.	2.0	37
16	Identification, amplification and characterization of miR-17-92 from canine tissue. Gene, 2007, 404, 25-30.	2.2	29
17	Viral Particles of Endogenous Betaretroviruses Are Released in the Sheep Uterus and Infect the Conceptus Trophectoderm in a Transspecies Embryo Transfer Model. Journal of Virology, 2010, 84, 9078-9085.	3.4	26
18	Oxygen-induced alterations in the expression of chromatin modifying enzymes and the transcriptional regulation of imprinted genes. Gene Expression Patterns, 2018, 28, 1-11.	0.8	19

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19	Initiation and Organization of Events During the First Cell Cycle in Mammals: Applications in Cloning. Cloning, 1999, 1, 89-100.	2.1	18
20	Inhibition of EHMT2 Induces a Robust Antiviral Response Against Foot-and-Mouth Disease and Vesicular Stomatitis Virus Infections in Bovine Cells. Journal of Interferon and Cytokine Research, 2016, 36, 37-47.	1.2	18
21	Cryopreservation of in vitro produced bovine embryos: effects of lipid segregation and post-thaw laser assisted hatching. Theriogenology, 2011, 75, 24-33.	2.1	15
22	Isolation and Characterization of MPM-2-Reactive Sperm Proteins: Homology to Components of the Outer Dense Fibers and Segmented Columns1. Biology of Reproduction, 1997, 57, 246-254.	2.7	14
23	Histone-lysine N-methyltransferase SETDB1 is required for development of the bovine blastocyst. Theriogenology, 2015, 84, 1411-1422.	2.1	14
24	Embryo production and possible species preservation by nuclear transfer of somatic cells isolated from bovine semen. Theriogenology, 2010, 74, 1629-1635.	2.1	12
25	Sustained Expression of Insulin by a Genetically Engineered Sertoli Cell Line after Allotransplantation in Diabetic BALB/c Mice1. Biology of Reproduction, 2014, 90, 109.	2.7	12
26	Transgenic sheep generated by lentiviral vectors: safety and integration analysis of surrogates and their offspring. Transgenic Research, 2013, 22, 737-745.	2.4	11
27	Assessment of canine oocyte viability after transportation and storage under different conditions. Animal Reproduction Science, 2008, 105, 451-456.	1.5	10
28	Expression of Porcine Fusion Protein IRF7/3(5D) Efficiently Controls Foot-and-Mouth Disease Virus Replication. Journal of Virology, 2014, 88, 11140-11153.	3.4	10
29	Evaluation of culture systems for attachment and proliferation of epithelial cells cultured from ovine semen. Animal Reproduction Science, 2009, 115, 49-57.	1.5	9
30	Applications of RNA interference-based gene silencing in animal agriculture. Reproduction, Fertility and Development, 2010, 22, 47.	0.4	8
31	Efficient correction of a deleterious point mutation in primary horse fibroblasts with CRISPR-Cas9. Scientific Reports, 2020, 10, 7411.	3.3	8
32	Maternal nutrient restriction in late pregnancy programs postnatal metabolism and pituitary development in beef heifers. PLoS ONE, 2021, 16, e0249924.	2.5	8
33	l-Carnitine Supplementation during In Vitro Maturation and In Vitro Culture Does not Affect the Survival Rates after Vitrification and Warming but Alters Inf-T and ptgs2 Gene Expression. International Journal of Molecular Sciences, 2020, 21, 5601.	4.1	7
34	Synchronisation of canine germinal vesicle stage oocytes prior to in vitro maturation alters the kinetics of nuclear progression during subsequent resumption of meiosis. Reproduction, Fertility and Development, 2008, 20, 606.	0.4	5
35	Down-regulation of viral replication by lentiviral-mediated expression of short-hairpin RNAs against vesicular stomatitis virus ribonuclear complex genes. Antiviral Research, 2012, 95, 150-158.	4.1	5
36	Transgenic livestock for agriculture and biomedical applications. BMC Proceedings, 2014, 8, .	1.6	5

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37	The Lentiviral System Construction for Highly Expressed Porcine Stearoylâ€CoA Desaturaseâ€1 and Functional Characterization in Stably Transduced Porcine Swine Kidney Cells. Lipids, 2018, 53, 933-945.	1.7	3
38	Depletion of elongation initiation factor 4E binding proteins by CRISPR/Cas9 enhances the antiviral response in porcine cells. Antiviral Research, 2016, 125, 8-13.	4.1	2
39	Engineering bone phenotypes in domestic animals: Unique resources for enhancing musculoskeletal research. Bone, 2020, 130, 115119.	2.9	2
40	Genetically Engineering a Sheep Model of Hypophosphatasia. FASEB Journal, 2018, 32, 859.10.	0.5	0