Goo Jang

List of Publications by Year in descending order

89 papers	2,344 citations	257101 24 h-index	233125 45 g-index
90 all docs	90 docs citations	90 times ranked	2658 citing authors

#	Article	IF	Citations
1	Dogs cloned from adult somatic cells. Nature, 2005, 436, 641-641.	13.7	394
2	Effects of melatonin on in vitro maturation of porcine oocyte and expression of melatonin receptor RNA in cumulus and granulosa cells. Journal of Pineal Research, 2009, 46, 22-28.	3.4	175
3	Endangered Wolves Cloned from Adult Somatic Cells. Cloning and Stem Cells, 2007, 9, 130-137.	2.6	163
4	Enhanced proliferation and differentiation of Oct4- and Sox2-overexpressing human adipose tissue mesenchymal stem cells. Experimental and Molecular Medicine, 2014, 46, e101-e101.	3.2	162
5	Improved in vitro bovine embryo development and increased efficiency in producing viable calves using defined media. Theriogenology, 2007, 67, 293-302.	0.9	77
6	Effects of estradiol-17Î² and progesterone supplementation on in vitro nuclear maturation of canine oocytes. Theriogenology, 2005, 63, 1342-1353.	0.9	70
7	Discovery of a non-cationic cell penetrating peptide derived from membrane-interacting human proteins and its potential as a protein delivery carrier. Scientific Reports, 2015, 5, 11719.	1.6	56
8	Paradoxical effects of kisspeptin: it enhances oocyte in vitro maturation but has an adverse impact on hatched blastocysts during in vitro culture. Reproduction, Fertility and Development, 2012, 24, 656.	0.1	50
9	Recloned dogs derived from adipose stem cells of a transgenic cloned beagle. Theriogenology, 2011, 75, 1221-1231.	0.9	45
10	Quercetin improves thein vitrodevelopment of porcine oocytes by decreasing reactive oxygen species levels. Journal of Veterinary Science, 2013, 14, 15.	0.5	45
11	Inducible HGF-secreting Human Umbilical Cord Blood-derived MSCs Produced via TALEN-mediated Genome Editing Promoted Angiogenesis. Molecular Therapy, 2016, 24, 1644-1654.	3.7	45
12	Targeted Genome Engineering to Control VEGF Expression in Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells: Potential Implications for the Treatment of Myocardial Infarction. Stem Cells Translational Medicine, 2017, 6, 1040-1051.	1.6	43
13	Developmental competence of porcine oocytes after in vitro maturation and in vitro culture under different oxygen concentrations. Zygote, 2012, 20, 1-8.	0.5	37
14	Lineage tracing using a Cas9-deaminase barcoding system targeting endogenous L1 elements. Nature Communications, 2019, 10, 1234.	5.8	36
15	Dogs cloned from fetal fibroblasts by nuclear transfer. Animal Reproduction Science, 2009, 115, 334-339.	0.5	35
16	Development of genome engineering technologies in cattle: from random to specific. Journal of Animal Science and Biotechnology, 2018, 9, 16.	2.1	33
17	An approach for producing transgenic cloned cows by nuclear transfer of cells transfected with human alpha 1-antitrypsin gene. Theriogenology, 2006, 65, 1800-1812.	0.9	31
18	Production and characterization of soluble human TNFRI-Fc and human HO-1(HMOX1) transgenic pigs by using the F2A peptide. Transgenic Research, 2014, 23, 407-419.	1.3	30

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19	Effect of glycosaminoglycans on the preimplantation development of embryos derived from in vitro fertilization and somatic cell nuclear transfer. Reproduction, Fertility and Development, 2003, 15, 179.	0.1	29
20	The 9-Cis Retinoic Acid Signaling Pathway and Its Regulation of Prostaglandin-Endoperoxide Synthase 2 During In Vitro Maturation of Pig Cumulus Cell-Oocyte Complexes and Effects on Parthenogenetic Embryo Production1. Biology of Reproduction, 2011, 84, 1272-1281.	1.2	28
21	Effect of recipient breed on delivery rate of cloned miniature pig. Zygote, 2009, 17, 203-207.	0.5	27
22	Current status and applications of somatic cell nuclear transfer in dogs. Theriogenology, 2010, 74, 1311-1320.	0.9	27
23	Effect of different culture media on the temporal gene expression in the bovine developing embryos. Theriogenology, 2011, 75, 995-1004.	0.9	26
24	Effect of oocyte-secreted factors on porcinein vitromaturation, cumulus expansion and developmental competence of parthenotes. Zygote, 2012, 20, 135-145.	0.5	25
25	Efficient generation of transgenic cattle using the DNA transposon and their analysis by next-generation sequencing. Scientific Reports, 2016, 6, 27185.	1.6	25
26	Preimplantational embryo development and incidence of blastomere apoptosis in bovine somatic cell nuclear transfer embryos reconstructed with long-term cultured donor cells. Theriogenology, 2004, 62, 512-521.	0.9	24
27	Effects of thiol compounds on in vitro maturation of canine oocytes collected from different reproductive stages. Molecular Reproduction and Development, 2007, 74, 1213-1220.	1.0	24
28	Production of MSTNâ€mutated cattle without exogenous gene integration using CRISPRâ€Cas9. Biotechnology Journal, 2022, 17, e2100198.	1.8	23
29	Glutathione Content of In Vivo and In Vitro Matured Canine Oocytes Collected from Different Reproductive Stages. Journal of Veterinary Medical Science, 2007, 69, 627-632.	0.3	22
30	Developmental competence and gene expression in preimplantation bovine embryos derived from somatic cell nuclear transfer using different donor cells. Zygote, 2005, 13, 187-195.	0.5	21
31	Effect of protein supplementation in potassium simplex optimization medium on preimplantation development of bovine non-transgenic and transgenic cloned embryos. Theriogenology, 2004, 62, 1403-1416.	0.9	20
32	Influence of season and parity on the recovery of in vivo canine oocytes by flushing fallopian tubes. Animal Reproduction Science, 2007, 99, 330-341.	0.5	20
33	Functional improvement of porcine neonatal pancreatic cell clustersviaconformal encapsulation using an air-driven encapsulator. Experimental and Molecular Medicine, 2012, 44, 20.	3.2	20
34	Effects of canine serum collected from dogs at different estrous cycle stages on in vitro nuclear maturation of canine oocytes. Zygote, 2005, 13, 227-232.	0.5	19
35	Improved cryopreservation of bovine preimplantation embryos cultured in chemically defined medium. Animal Reproduction Science, 2008, 103, 239-248.	0.5	19
36	Unilateral chryptochidism induces morphological changes of testes and hyperplasia of Sertoli cells in a dog. Laboratory Animal Research, 2014, 30, 185.	1.1	19

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37	Effect of Transfection and Passage Number of Ear Fibroblasts on In Vitro Development of Bovine Transgenic Nuclear Transfer Embryos. Journal of Veterinary Medical Science, 2004, 66, 257-261.	0.3	18
38	Conservation of the Sapsaree (Canis familiaris), a Korean Natural Monument, using Somatic Cell Nuclear Transfer. Journal of Veterinary Medical Science, 2009, 71, 1217-1220.	0.3	18
39	Development Potential of Transgenic Somatic Cell Nuclear Transfer Embryos According to Various Factors of Donor Cell. Journal of Veterinary Medical Science, 2004, 66, 1567-1573.	0.3	17
40	Effective donor cell fusion conditions for production of cloned dogs by somatic cell nuclear transfer. Theriogenology, 2011, 75, 777-782.	0.9	17
41	Production of Transgenic Bovine Cloned Embryos Using Piggybac Transposition. Journal of Veterinary Medical Science, 2011, 73, 1453-1457.	0.3	16
42	EfficientPRNPdeletion in bovine genome using gene-editing technologies in bovine cells. Prion, 2015, 9, 278-291.	0.9	16
43	Mitofusin-2 modulates the epithelial to mesenchymal transition in thyroid cancer progression. Scientific Reports, 2021, 11, 2054.	1.6	16
44	The effects of brain-derived neurotrophic factor and metformin on in vitro developmental competence of bovine oocytes. Zygote, 2009, 17, 187-193.	0.5	12
45	Blastocysts derived from adult fibroblasts of a rhesus monkey (Macaca mulatta) using interspecies somatic cell nuclear transfer. Zygote, 2011, 19, 199-204.	0.5	12
46	Birth of puppies after intrauterine and intratubal insemination with frozen-thawed canine semen. Journal of Veterinary Science, 2007, 8, 75.	0.5	11
47	Effects of mineral supplements on ovulation and maturation of dog oocytes. Theriogenology, 2012, 78, 110-115.	0.9	11
48	Embryonic Development and Implantation Related Gene Expression of Oocyte Reconstructed with Bovine Trophoblast Cells. Journal of Reproduction and Development, 2012, 58, 425-431.	0.5	11
49	Oct4 overexpression facilitates proliferation of porcine fibroblasts and development of cloned embryos. Zygote, 2015, 23, 704-711.	0.5	11
50	Cloned foal derived fromin vivomatured horse oocytes aspirated by the short disposable needle system. Journal of Veterinary Science, 2015, 16, 509.	0.5	10
51	Production of Transgenic Porcine Embryos Reconstructed with Induced Pluripotent Stem-Like Cells Derived from Porcine Endogenous Factors Using piggyBac System. Cellular Reprogramming, 2019, 21, 26-36.	0.5	10
52	Production of transgenic canine embryos using interspecies somatic cell nuclear transfer. Zygote, 2012, 20, 67-72.	0.5	9
53	Disruption of exogenous eGFP gene using RNA-guided endonuclease in bovine transgenic somatic cells. Zygote, 2015, 23, 916-923.	0.5	9
54	Differential expression of estrogen receptor Î± and progesterone receptor in the normal and cryptorchid testis of a dog. Laboratory Animal Research, 2016, 32, 128.	1.1	9

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55	Transgenesis for pig models. Journal of Veterinary Science, 2016, 17, 261.	0.5	9
56	Coincidence of Persistent MÃ¼llerian duct syndrome and testicular tumors in dogs. BMC Veterinary Research, 2017, 13, 156.	0.7	9
57	Long-term health and germline transmission in transgenic cattle following transposon-mediated gene transfer. BMC Genomics, 2018, 19, 387.	1.2	9
58	Enhanced Hepatogenic Transdifferentiation of Human Adipose Tissue Mesenchymal Stem Cells by Gene Engineering with Oct4 and Sox2. PLoS ONE, 2015, 10, e0108874.	1.1	9
59	Arthroscopy for the Diagnosis and Treatment of Failed Trochleoplasty in a Dog. Journal of Veterinary Clinics, 2015, 32, 251-254.	0.2	9
60	Employing mated females as recipients for transfer of cloned dog embryos. Reproduction, Fertility and Development, 2013, 25, 700.	0.1	8
61	Effect of ectopic OCT4 expression on canine adipose tissueâ€derived mesenchymal stem cell proliferation. Cell Biology International, 2014, 38, 1163-1173.	1.4	8
62	Cell-Laden Gelatin Methacryloyl Bioink for the Fabrication of Z-Stacked Hydrogel Scaffolds for Tissue Engineering. Polymers, 2020, 12, 3027.	2.0	7
63	Effect of beta-mercaptoethanol or epidermal growth factor supplementation on in vitro maturation of canine oocytes collected from dogs with different stages of the estrus cycle. Journal of Veterinary Science, 2004, 5, 253-8.	0.5	7
64	Nuclear-mitochondrial incompatibility in interorder rhesus monkeyâ€“cow embryos derived from somatic cell nuclear transfer. Primates, 2016, 57, 471-478.	0.7	6
65	Immunohistochemical localization of glucose transporter 1 and 3 in the scrotal and abdominal testes of a dog. Laboratory Animal Research, 2017, 33, 114.	1.1	6
66	CRISPR/Cas9-mediated knockout of Mct8 reveals a functional involvement of Mct8 in testis and sperm development in a rat. Scientific Reports, 2020, 10, 11148.	1.6	6
67	Cloned calves derived from somatic cell nuclear transfer embryos cultured in chemically defined medium or modified synthetic oviduct fluid. Journal of Veterinary Science, 2011, 12, 83.	0.5	5
68	Production of porcine cloned embryos derived from cells conditionally expressing an exogenous gene using Cre-loxP. Zygote, 2012, 20, 423-425.	0.5	5
69	Relationship between pregnancy rate and serum progesterone concentration in cases of porcine embryo transfer. Journal of Veterinary Science, 2014, 15, 167.	0.5	5
70	Production of CMAH Knockout Preimplantation Embryos Derived From Immortalized Porcine Cells Via TALE Nucleases. Molecular Therapy - Nucleic Acids, 2014, 3, e166.	2.3	5
71	Replacement of glutamine with the dipeptide derivative alanyl-glutamine enhances in vitro maturation of porcine oocytes and development of embryos. Zygote, 2014, 22, 286-289.	0.5	5
72	Production of Mutated Porcine Embryos Using Zinc Finger Nucleases and a Reporter-based Cell Enrichment System. Asian-Australasian Journal of Animal Sciences, 2014, 27, 324-329.	2.4	5

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73	Post-mortem re-cloning of a transgenic red fluorescent protein dog. Journal of Veterinary Science, 2011, 12, 405.	0.5	4
74	Short-term treatment with 6-DMAP and demecolcine improves developmental competence of electrically or Thi/DTT-activated porcine parthenogenetic embryos. Zygote, 2011, 19, 1-8.	0.5	4
75	SRY-positive 78, XY ovotesticular disorder of sex development in a wolf cloned by nuclear transfer. Journal of Veterinary Science, 2012, 13, 211.	0.5	4
76	Intrapancreatic ectopic splenic tissue found in a cloned miniature pig. Journal of Veterinary Science, 2015, 16, 241.	0.5	4
77	Developmental competence and cryotolerance of caprine parthenogenetic embryos cultured in chemically defined media. Theriogenology, 2016, 86, 596-603.	0.9	4
78	Development of in-vitro maturation protocol for rat oocytes; under simple culture vs co-culture with cumulus cell monolayer and its developmental potential via Parthenogenetic/artificial activation. BMC Veterinary Research, 2021, 17, 44.	0.7	4
79	Survival of Skin Graft between Transgenic Cloned Dogs and Non-Transgenic Cloned Dogs. PLoS ONE, 2014, 9, e108330.	1.1	3
80	Update on the First Cloned Dog and Outlook for Canine Cloning. Cellular Reprogramming, 2015, 17, 325-326.	0.5	3
81	Timing of fertile period for successful pregnancy in American Bully dogs. Theriogenology, 2017, 104, 49-54.	0.9	3
82	Generation of red fluorescent protein transgenic dogs. Genesis, 2009, 47, spcone-spcone.	0.8	2
83	Transgenic F2 bovine embryos show stable germline transmission and maintenance of transgene expression through two generations. Biology of Reproduction, 2020, 103, 1148-1151.	1.2	2
84	Target-AID-Mediated Multiplex Base Editing in Porcine Fibroblasts. Animals, 2021, 11, 3570.	1.0	2
85	Application of transposon systems in the transgenesis of bovine somatic and germ cells. BMC Veterinary Research, 2022, 18, 156.	0.7	2
86	Sex differences in single IVF-derived bovine embryo cultured in chemically defined medium. International Journal of Veterinary Science and Medicine, 2018, 6, S78-S80.	0.8	1
87	Dog recloning from muscle fibroblasts in transgenic cloned beagle: Regeneration of an identical transgenic dog. , 2010, , .		0
88	Generation of transgenic dogs that conditionally express green fluorescent protein. Genesis, 2011, 49, spcone-spcone.	0.8	0
89	Spaldingâ€™s Sign in a Domestic Cat with Dystocia and Its Medical Management. Journal of Veterinary Clinics, 2019, 36, 116-118.	0.2	0