

Ok Jae Koo

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,400
citations

257450

24
h-index

361022

35
g-index

69
all docs

69
docs citations

69
times ranked

1702
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Dissection of CRISPR-Cas9 Mediated Inheritance of Independently Targeted Alleles in Tobacco β -1,3-Fucosyltransferase 1 and β -1,2-Xylosyltransferase 1 Loci. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2450.	4.1	4
2	Generation of genome-edited dogs by somatic cell nuclear transfer. <i>BMC Biotechnology</i> , 2022, 22, .	3.3	7
3	Failure to maintain full-term pregnancies in pig carrying klotho monoallelic knockout fetuses. <i>BMC Biotechnology</i> , 2021, 21, 1.	3.3	23
4	Positive Correlation between nNOS and Stress-Activated Bowel Motility Is Confirmed by In Vivo HiBiT System. <i>Cells</i> , 2021, 10, 1028.	4.1	6
5	ZNF746/PARIS promotes the occurrence of hepatocellular carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2021, 563, 98-104.	2.1	12
6	Target-AID-Mediated Multiplex Base Editing in Porcine Fibroblasts. <i>Animals</i> , 2021, 11, 3570.	2.3	2
7	Efficient genome editing using CRISPR-Cas9 RNP delivery into cabbage protoplasts via electro-transfection. <i>Plant Biotechnology Reports</i> , 2020, 14, 695-702.	1.5	33
8	High Homology-Directed Repair Using Mitosis Phase and Nucleus Localizing Signal. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3747.	4.1	9
9	Efficient and specific generation of knockout mice using <i>Campylobacter jejuni</i> CRISPR/Cas9 system. <i>Biochemistry and Biophysics Reports</i> , 2020, 22, 100752.	1.3	6
10	<i>In vivo</i> multiplex gene targeting with <i>Streptococcus pyogenes</i> and <i>Campylobacter jejuni</i> Cas9 for pancreatic cancer modeling in wild-type animal. <i>Journal of Veterinary Science</i> , 2020, 21, e26.	1.3	7
11	Production of Transgenic Porcine Embryos Reconstructed with Induced Pluripotent Stem-Like Cells Derived from Porcine Endogenous Factors Using <i>piggyBac</i> System. <i>Cellular Reprogramming</i> , 2019, 21, 26-36.	0.9	10
12	Multiple sgRNAs with overlapping sequences enhance CRISPR/Cas9-mediated knock-in efficiency. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-9.	7.7	36
13	Pmp22 mutant allele-specific siRNA alleviates demyelinating neuropathic phenotype in vivo. <i>Neurobiology of Disease</i> , 2017, 100, 99-107.	4.4	33
14	NME1L Negatively Regulates IGF1-Dependent Proliferation of Breast Cancer Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1454-1463.	2.6	4
15	Nuclear-mitochondrial incompatibility in interorder rhesus monkey-cow embryos derived from somatic cell nuclear transfer. <i>Primates</i> , 2016, 57, 471-478.	1.1	6
16	Oct4 overexpression facilitates proliferation of porcine fibroblasts and development of cloned embryos. <i>Zygote</i> , 2015, 23, 704-711.	1.1	11
17	Intrapancreatic ectopic splenic tissue found in a cloned miniature pig. <i>Journal of Veterinary Science</i> , 2015, 16, 241.	1.3	4
18	Disruption of exogenous eGFP gene using RNA-guided endonuclease in bovine transgenic somatic cells. <i>Zygote</i> , 2015, 23, 916-923.	1.1	9

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19	Comparative studies on proliferation, molecular markers and differentiation potential of mesenchymal stem cells from various tissues (adipose, bone marrow, ear skin, abdominal skin, and Tj ETQq1 1 0.784314 rgBT ₄₂ /Overl	1.9	42
20	Dimer of arfaptin 2 regulates NF- κ B signaling by interacting with IKK $\hat{1}$ /NEMO and inhibiting IKK $\hat{1}$ kinase activity. Cellular Signalling, 2015, 27, 2173-2181.	3.6	5
21	Overexpressed human heme Oxygenase-1 decreases adipogenesis in pigs and porcine adipose-derived stem cells. Biochemical and Biophysical Research Communications, 2015, 467, 935-940.	2.1	10
22	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.	1.1	5
23	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.	2.4	30
24	Optimizing Electrical Activation of Porcine Oocytes by Adjusting Pre- and Post-Activation Mannitol Exposure Times. Reproduction in Domestic Animals, 2014, 49, 995-999.	1.4	4
25	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
26	Quercetin improves the <i>in vitro</i> development of porcine oocytes by decreasing reactive oxygen species levels. Journal of Veterinary Science, 2013, 14, 15.	1.3	45
27	Expression Analysis of Combinatorial Genes Using a Bi-Cistronic T2A Expression System in Porcine Fibroblasts. PLoS ONE, 2013, 8, e70486.	2.5	14
28	SLA Genetic Polymorphism and Large Scale Gene Expression Profiling of Cloned SNU Miniature Pigs Derived from Same Cell Line. Reproductive & Developmental Biology, 2013, 37, 1-8.	0.1	0
29	Developmental competence of porcine oocytes after <i>in vitro</i> maturation and <i>in vitro</i> culture under different oxygen concentrations. Zygote, 2012, 20, 1-8.	1.1	37
30	Production of transgenic canine embryos using interspecies somatic cell nuclear transfer. Zygote, 2012, 20, 67-72.	1.1	9
31	Production of porcine cloned embryos derived from cells conditionally expressing an exogenous gene using Cre-loxP. Zygote, 2012, 20, 423-425.	1.1	5
32	Oxamflatin Improves Developmental Competence of Porcine Somatic Cell Nuclear Transfer Embryos. Cellular Reprogramming, 2012, 14, 398-406.	0.9	27
33	Functional improvement of porcine neonatal pancreatic cell clusters <i>via</i> conformal encapsulation using an air-driven encapsulator. Experimental and Molecular Medicine, 2012, 44, 20.	7.7	20
34	Effect of oocyte-secreted factors on porcine <i>in vitro</i> maturation, cumulus expansion and developmental competence of parthenotes. Zygote, 2012, 20, 135-145.	1.1	25
35	Paradoxical effects of kisspeptin: it enhances oocyte <i>in vitro</i> maturation but has an adverse impact on hatched blastocysts during <i>in vitro</i> culture. Reproduction, Fertility and Development, 2012, 24, 656.	0.4	50
36	Generation and Characterization of Human Heme Oxygenase-1 Transgenic Pigs. PLoS ONE, 2012, 7, e46646.	2.5	60

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37	Establishment of glass catfish (<i>Kryptopterus bicirrhis</i>) fin-derived cells. <i>Cell Biology International Reports</i> , 2011, 18, 1-5.	0.6	7
38	Effective donor cell fusion conditions for production of cloned dogs by somatic cell nuclear transfer. <i>Theriogenology</i> , 2011, 75, 777-782.	2.1	17
39	Post-mortem re-cloning of a transgenic red fluorescent protein dog. <i>Journal of Veterinary Science</i> , 2011, 12, 405.	1.3	4
40	Generation of Soluble Human Tumor Necrosis Factor- α Receptor 1-Fc Transgenic Pig. <i>Transplantation</i> , 2011, 92, 139-147.	1.0	25
41	Production of offspring from cloned transgenic RFP female dogs and stable generational transmission of the RFP gene. <i>Genesis</i> , 2011, 49, 835-840.	1.6	11
42	Short-term treatment with 6-DMAP and demecolcine improves developmental competence of electrically or Thi/DTT-activated porcine parthenogenetic embryos. <i>Zygote</i> , 2011, 19, 1-8.	1.1	4
43	Blastocysts derived from adult fibroblasts of a rhesus monkey (<i>Macaca mulatta</i>) using interspecies somatic cell nuclear transfer. <i>Zygote</i> , 2011, 19, 199-204.	1.1	12
44	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 Production. <i>Biology of Reproduction</i> , 2011, 84, 1272-1281.	2.7	28
45	Effect of Roscovitine-Treated Donor Cells on Development of Porcine Cloned Embryos. <i>Reproduction in Domestic Animals</i> , 2010, 45, 1082-1088.	1.4	18
46	Influence of oocyte donor and embryo recipient conditions on cloning efficiency in dogs. <i>Theriogenology</i> , 2010, 74, 473-478.	2.1	24
47	The effects of brain-derived neurotrophic factor and metformin on in vitro developmental competence of bovine oocytes. <i>Zygote</i> , 2009, 17, 187-193.	1.1	12
48	Effect of recipient breed on delivery rate of cloned miniature pig. <i>Zygote</i> , 2009, 17, 203-207.	1.1	27
49	Cell cycle synchronization of canine ear fibroblasts for somatic cell nuclear transfer. <i>Zygote</i> , 2009, 17, 37-43.	1.1	24
50	Generation of red fluorescent protein transgenic dogs. <i>Genesis</i> , 2009, 47, 314-322.	1.6	73
51	Generation of red fluorescent protein transgenic dogs. <i>Genesis</i> , 2009, 47, spcone-spcone.	1.6	2
52	Effects of melatonin on in vitro maturation of porcine oocyte and expression of melatonin receptor RNA in cumulus and granulosa cells. <i>Journal of Pineal Research</i> , 2009, 46, 22-28.	7.4	175
53	Influence of Ovulation Status, Seasonality and Embryo Transfer Method on Development of Cloned Porcine Embryos. <i>Reproduction in Domestic Animals</i> , 2009, 45, 773-8.	1.4	15
54	Effect of Dimethyl Sulfoxide on Cell Cycle Synchronization of Goldfish Caudal Fin Derived Fibroblasts Cells. <i>Reproduction in Domestic Animals</i> , 2009, 45, e73-7.	1.4	1

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55	Different culture conditions used for arresting the G0/G1 phase of the cell cycle in goldfish (<i>Carassius auratus</i>) caudal fin-derived fibroblasts. <i>Cell Biology International</i> , 2009, 33, 65-70.	3.0	12
56	Epiblast isolation by a new four stage method (peeling) from whole bovine cloned blastocysts. <i>Cell Biology International</i> , 2009, 33, 309-317.	3.0	15
57	Dogs cloned from fetal fibroblasts by nuclear transfer. <i>Animal Reproduction Science</i> , 2009, 115, 334-339.	1.5	35
58	Effects of culture conditions and nuclear transfer protocols on blastocyst formation and mRNA expression in pre-implantation porcine embryos. <i>Theriogenology</i> , 2008, 69, 416-425.	2.1	40
59	Electrical activation induces reactive oxygen species in porcine embryos. <i>Theriogenology</i> , 2008, 70, 1111-1118.	2.1	31
60	Temporal effects of α -tocopherol and l-ascorbic acid on in vitro fertilized porcine embryo development. <i>Animal Reproduction Science</i> , 2007, 100, 107-117.	1.5	30
61	Effects of thiol compounds on in vitro maturation of canine oocytes collected from different reproductive stages. <i>Molecular Reproduction and Development</i> , 2007, 74, 1213-1220.	2.0	24
62	Antioxidant Favors the Developmental Competence of Porcine Parthenogenotes by Reducing Reactive Oxygen Species. <i>Asian-Australasian Journal of Animal Sciences</i> , 2007, 20, 334-339.	2.4	1
63	Analysis of nuclear reprogramming in cloned miniature pig embryos by expression of Oct-4 and Oct-4 related genes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1419-1428.	2.1	47
64	Embryotrophic effects of ethylenediaminetetraacetic acid and hemoglobin on in vitro porcine embryos development. <i>Theriogenology</i> , 2006, 66, 449-455.	2.1	21
65	Effect of Potassium Simplex Optimization Medium and NCSU23 Supplemented with Beta-mercaptoethanol and Amino Acids of In Vitro Fertilized Porcine Embryos. <i>Journal of Reproduction and Development</i> , 2006, 52, 591-599.	1.4	13
66	Anti-apoptotic effect of insulin-like growth factor (IGF)-I and its receptor in porcine preimplantation embryos derived from in vitro fertilization and somatic cell nuclear transfer. <i>Molecular Reproduction and Development</i> , 2006, 73, 1523-1530.	2.0	33