

Byeong Chun Lee

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,574
citations

361045

20
h-index

344852

36
g-index

90
all docs

90
docs citations

90
times ranked

1738
citing authors

#	ARTICLE	IF	CITATIONS
1	Dogs cloned from adult somatic cells. <i>Nature</i> , 2005, 436, 641-641.	13.7	394
2	Melatonin regulates lipid metabolism in porcine oocytes. <i>Journal of Pineal Research</i> , 2017, 62, e12388.	3.4	106
3	Embryonic–maternal cross-talk via exosomes: potential implications. <i>Stem Cells and Cloning: Advances and Applications</i> , 2015, 8, 103.	2.3	69
4	Bacteriophage application to control the contaminated water with <i>Shigella</i> . <i>Scientific Reports</i> , 2016, 6, 22636.	1.6	57
5	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 rgBTj/Overload Science, 2015, 100, 115-124.	0.9	42
6	Spermine reduces reactive oxygen species levels and decreases cryocapacitation in canine sperm cryopreservation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 927-932.	1.0	38
7	Melatonin influences the sonic hedgehog signaling pathway in porcine cumulus oocyte complexes. <i>Journal of Pineal Research</i> , 2017, 63, e12424.	3.4	38
8	Synergistic effects of resveratrol and melatonin on inÂvitro maturation of porcine oocytes and subsequent embryo development. <i>Theriogenology</i> , 2018, 114, 191-198.	0.9	33
9	Production and characterization of soluble human TNFR1-Fc and human HO-1(HMOX1) transgenic pigs by using the F2A peptide. <i>Transgenic Research</i> , 2014, 23, 407-419.	1.3	30
10	Oocyte maturation-related gene expression in the canine oviduct, cumulus cells, and oocytes and effect of co-culture with oviduct cells on in vitro maturation of oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 929-938.	1.2	28
11	Iodixanol supplementation during sperm cryopreservation improves protamine level and reduces reactive oxygen species of canine sperm. <i>Journal of Veterinary Science</i> , 2019, 20, 79.	0.5	27
12	Sequential treatment with resveratrol-trolox improves development of porcine embryos derived from parthenogenetic activation and somatic cell nuclear transfer. <i>Theriogenology</i> , 2015, 84, 145-154.	0.9	26
13	Generation of Soluble Human Tumor Necrosis Factor-Î± Receptor 1-Fc Transgenic Pig. <i>Transplantation</i> , 2011, 92, 139-147.	0.5	25
14	Isolation and Comparative Genomic Analysis of T1-Like <i>Shigella</i> Bacteriophage pSf-2. <i>Current Microbiology</i> , 2016, 72, 235-41.	1.0	25
15	The HDAC Inhibitor LAQ824 Enhances Epigenetic Reprogramming and In Vitro Development of Porcine SCNT Embryos. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 1255-1266.	1.1	25
16	Exosomes derived from oviduct cells mediate the EGFR/MAPK signaling pathway in cumulus cells. <i>Journal of Cellular Physiology</i> , 2020, 235, 1386-1404.	2.0	24
17	Melatonin-Nrf2 Signaling Activates Peroxisomal Activities in Porcine Cumulus Cell-Oocyte Complexes. <i>Antioxidants</i> , 2020, 9, 1080.	2.2	23
18	Failure to maintain full-term pregnancies in pig carrying <i>klotho</i> monoallelic knockout fetuses. <i>BMC Biotechnology</i> , 2021, 21, 1.	1.7	23

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19	Generation of CMAHKO/GTKO/shTNFRI-Fc/HO-1 quadruple gene modified pigs. <i>Transgenic Research</i> , 2017, 26, 435-445.	1.3	22
20	Heavy metal accumulation in and food safety of shark meat from Jeju island, Republic of Korea. <i>PLoS ONE</i> , 2019, 14, e0212410.	1.1	22
21	Canine oviductal exosomes improve oocyte development via EGFR/MAPK signaling pathway. <i>Reproduction</i> , 2020, 160, 613-625.	1.1	22
22	Sonic hedgehog signaling mediates resveratrol to improve maturation of pig oocytes in vitro and subsequent preimplantation embryo development. <i>Journal of Cellular Physiology</i> , 2018, 233, 5023-5033.	2.0	20
23	Lanosterol influences cytoplasmic maturation of pig oocytes in vitro and improves preimplantation development of cloned embryos. <i>Theriogenology</i> , 2016, 85, 575-584.	0.9	19
24	Effect of co-culture canine cumulus and oviduct cells with porcine oocytes during maturation and subsequent embryo development of parthenotes in vitro. <i>Theriogenology</i> , 2018, 106, 108-116.	0.9	19
25	Age-specific variations in hematological and biochemical parameters in middle- and large-sized of dogs. <i>Journal of Veterinary Science</i> , 2020, 21, e7.	0.5	18
26	A potential role of knockout serum replacement as a porcine follicular fluid substitute for in vitro maturation: Lipid metabolism approach. <i>Journal of Cellular Physiology</i> , 2018, 233, 6984-6995.	2.0	17
27	Melatonin enhances porcine embryo development via the Nrf2/ARE signaling pathway. <i>Journal of Molecular Endocrinology</i> , 2019, 63, 175-185.	1.1	17
28	Zinc supplementation alleviates endoplasmic reticulum stress during porcine oocyte in vitro maturation by upregulating zinc transporters. <i>Journal of Cellular Physiology</i> , 2021, 236, 2869-2880.	2.0	15
29	Blastomeres aggregation as an efficient alternative for trophoblast culture from porcine parthenogenetic embryos. <i>Development Growth and Differentiation</i> , 2015, 57, 362-368.	0.6	13
30	Interaction of the EGFR signaling pathway with porcine cumulus oocyte complexes and oviduct cells in a coculture system. <i>Journal of Cellular Physiology</i> , 2019, 234, 4030-4043.	2.0	13
31	Generation by somatic cell nuclear transfer of GGTA1 knockout pigs expressing soluble human TNFRI-Fc and human HO-1. <i>Transgenic Research</i> , 2019, 28, 91-102.	1.3	12
32	Phytanic acid-derived peroxisomal lipid metabolism in porcine oocytes. <i>Theriogenology</i> , 2020, 157, 276-285.	0.9	12
33	Dog cloning "no longer science fiction. <i>Reproduction in Domestic Animals</i> , 2018, 53, 133-138.	0.6	11
34	Proposed Motor Scoring System in a Porcine Model of Parkinson's Disease induced by Chronic Subcutaneous Injection of MPTP. <i>Experimental Neurobiology</i> , 2014, 23, 258-265.	0.7	10
35	Cloned foal derived from in vivo matured horse oocytes aspirated by the short disposable needle system. <i>Journal of Veterinary Science</i> , 2015, 16, 509.	0.5	10
36	Maintaining canine sperm function and osmolyte content with multistep freezing protocol and different cryoprotective agents. <i>Cryobiology</i> , 2015, 71, 344-349.	0.3	10

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37	Overexpressed human heme Oxygenase-1 decreases adipogenesis in pigs and porcine adipose-derived stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 935-940.	1.0	10
38	Intravenous human endothelial progenitor cell administration into aged mice enhances embryo development and oocyte quality by reducing inflammation, endoplasmic reticulum stress and apoptosis. <i>Journal of Veterinary Medical Science</i> , 2018, 80, 1905-1913.	0.3	10
39	Effects of Protein Source and Energy Substrates on the In Vitro Development of Bovine Embryos in a Two-step Culture System. <i>Journal of Veterinary Science</i> , 2003, 4, 73.	0.5	10
40	Reduced birth weight, cleft palate and preputial abnormalities in a cloned dog. <i>Acta Veterinaria Scandinavica</i> , 2014, 56, 18.	0.5	9
41	Effect of culture medium type on canine adipose-derived mesenchymal stem cells and developmental competence of interspecies cloned embryos. <i>Theriogenology</i> , 2014, 81, 243-249.	0.9	9
42	Altering histone acetylation status in donor cells with suberoylanilide hydroxamic acid does not affect dog cloning efficiency. <i>Theriogenology</i> , 2015, 84, 1256-1261.	0.9	9
43	Propagation of elite rescue dogs by somatic cell nuclear transfer. <i>Animal Science Journal</i> , 2016, 87, 21-26.	0.6	9
44	Successful surgical correction of anal atresia in a transgenic cloned piglet. <i>Journal of Veterinary Science</i> , 2005, 6, 243.	0.5	9
45	Arthroscopy for the Diagnosis and Treatment of Failed Trochleoplasty in a Dog. <i>Journal of Veterinary Clinics</i> , 2015, 32, 251-254.	0.2	9
46	Effect of co-culture human endothelial progenitor cells with porcine oocytes during maturation and subsequent embryo development of parthenotes in vitro. <i>Molecular Reproduction and Development</i> , 2018, 85, 336-347.	1.0	8
47	Health and temperaments of cloned working dogs. <i>Journal of Veterinary Science</i> , 2018, 19, 585.	0.5	8
48	Enhancement of epigenetic reprogramming status of porcine cloned embryos with zebularine, a DNA methyltransferase inhibitor. <i>Molecular Reproduction and Development</i> , 2019, 86, 1013-1022.	1.0	8
49	Development of Novel Continuous and Interval Exercise Programs by Applying the FITT-VP Principle in Dogs. <i>Scientific World Journal, The</i> , 2020, 2020, 1-9.	0.8	8
50	Effect of primary culture medium type for culture of canine fibroblasts on production of cloned dogs. <i>Theriogenology</i> , 2015, 84, 524-530.	0.9	7
51	Birth of clones of the world's first cloned dog. <i>Scientific Reports</i> , 2017, 7, 15235.	1.6	7
52	Despite the donor's age, human adipose-derived stem cells enhance the maturation and development rates of porcine oocytes in a co-culture system. <i>Theriogenology</i> , 2018, 115, 57-64.	0.9	7
53	Clinical Assessment of Intravenous Endothelial Progenitor Cell Transplantation in Dogs. <i>Cell Transplantation</i> , 2019, 28, 943-954.	1.2	7
54	Improved early development of porcine cloned embryos by treatment with quisinostat, a potent histone deacetylase inhibitor. <i>Journal of Reproduction and Development</i> , 2019, 65, 103-112.	0.5	7

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55	High Frequency of Intravenous Injection of Human Adipose Stem Cell Conditioned Medium Improved Embryo Development of Mice in Advanced Maternal Age through Antioxidant Effects. <i>Animals</i> , 2020, 10, 978.	1.0	7
56	Human embryonic stem cells and therapeutic cloning. <i>Journal of Veterinary Science</i> , 2005, 6, 87.	0.5	7
57	Nuclear-mitochondrial incompatibility in interorder rhesus monkeyâ€“cow embryos derived from somatic cell nuclear transfer. <i>Primates</i> , 2016, 57, 471-478.	0.7	6
58	Establishment of Transgenic Porcine Fibroblasts Expressing a Human klotho Gene and Its Effects on Gene Expression and Preimplantation Development of Cloned Embryos. <i>DNA and Cell Biology</i> , 2017, 36, 42-49.	0.9	6
59	The promise of dog cloning. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1.	0.1	6
60	Effect of Klotho protein during porcine oocyte maturation via Wnt signaling. <i>Aging</i> , 2020, 12, 23808-23821.	1.4	6
61	Melatonin Regulates Lipid Metabolism in Porcine Cumulusâ€“Oocyte Complexes via the Melatonin Receptor 2. <i>Antioxidants</i> , 2022, 11, 687.	2.2	6
62	Production of CMAH Knockout Preimplantation Embryos Derived From Immortalized Porcine Cells Via TALE Nucleases. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e166.	2.3	5
63	Effects of manganese on maturation of porcine oocytes <i>in vitro&/i> and their subsequent embryo development after parthenogenetic activation and somatic cell nuclear transfer. <i>Journal of Reproduction and Development</i> , 2019, 65, 259-265.	0.5	5
64	Adiponectin Improves In Vitro Development of Cloned Porcine Embryos by Reducing Endoplasmic Reticulum Stress and Apoptosis. <i>Animals</i> , 2021, 11, 473.	1.0	5
65	Learning, memory and exploratory similarities in genetically identical cloned dogs. <i>Journal of Veterinary Science</i> , 2016, 17, 563.	0.5	4
66	Clinical assessment after human adipose stem cell transplantation into dogs. <i>Journal of Veterinary Science</i> , 2018, 19, 452.	0.5	4
67	Suberoylanilide hydroxamic acid during <i>in vitro&/i> culture improves development of dog-pig interspecies cloned embryos but not dog cloned embryos. <i>Journal of Reproduction and Development</i> , 2018, 64, 277-282.	0.5	4
68	Anti-Oxidative Effects of Human Adipose Stem Cell Conditioned Medium with Different Basal Medium during Mouse Embryo In Vitro Culture. <i>Animals</i> , 2020, 10, 1414.	1.0	4
69	Survival of Skin Graft between Transgenic Cloned Dogs and Non-Transgenic Cloned Dogs. <i>PLoS ONE</i> , 2014, 9, e108330.	1.1	3
70	Ectopic liver and gallbladder in a cloned dog: Possible nonheritable anomaly. <i>Theriogenology</i> , 2015, 84, 995-1002.	0.9	3
71	Blastocysts derivation from somatic cell fusion with premature oocytes (prematuration somatic cell) Tj ETQq1 1 0.784314 rgBT /Over 0.6 3	0.6	3
72	Comparison of Anti-Oxidative Effect of Human Adipose- and Amniotic Membrane-Derived Mesenchymal Stem Cell Conditioned Medium on Mouse Preimplantation Embryo Development. <i>Antioxidants</i> , 2021, 10, 268.	2.2	3

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73	Crosstalk between Peroxisomal Activities and Nrf2 Signaling in Porcine Embryos. <i>Antioxidants</i> , 2021, 10, 771.	2.2	3
74	Optimal Treatment of 6-Dimethylaminopurine Enhances the In Vivo Development of Canine Embryos by Rapid Initiation of DNA Synthesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7757.	1.8	3
75	MicroRNA-210 Regulates Endoplasmic Reticulum Stress and Apoptosis in Porcine Embryos. <i>Animals</i> , 2021, 11, 221.	1.0	3
76	Generation of a Dystrophin Mutant in Dog by Nuclear Transfer Using CRISPR/Cas9-Mediated Somatic Cells: A Preliminary Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2898.	1.8	3
77	Generation of red fluorescent protein transgenic dogs. <i>Genesis</i> , 2009, 47, spcone-spcone.	0.8	2
78	Age-dependent alteration of transgene expression and cytomegalovirus promoter methylation in transgenic cloned and recloned dogs. <i>Molecular Reproduction and Development</i> , 2015, 82, 330-331.	1.0	2
79	Adenovirus-mediated heme oxygenase-1 gene transfer to neonatal porcine islet-like cluster cells: the effects on gene expression and protection from cell stress. <i>Biochip Journal</i> , 2012, 6, 56-64.	2.5	1
80	Reproductive ability of a cloned male detector dog and behavioral traits of its offspring. <i>Journal of Veterinary Science</i> , 2016, 17, 407.	0.5	1
81	Postneonatal Mortality and Liver Changes in Cloned Pigs Associated with Human Tumor Necrosis Factor Receptor I-Fc and Human Heme Oxygenase-1 Overexpression. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	1
82	The Interplay Between Oviduct-Derived Exosomes and Cumulus-Oocyte Complexes. , 2021, , 99-113.		1
83	Dog recloning from muscle fibroblasts in transgenic cloned beagle: Regeneration of an identical transgenic dog. , 2010, , .		0
84	Generation of transgenic dogs that conditionally express green fluorescent protein. <i>Genesis</i> , 2011, 49, spcone-spcone.	0.8	0
85	Mineralized deposits in the uterus of a pig without pregnancy loss. <i>Journal of Veterinary Science</i> , 2017, 18, 563.	0.5	0
86	Up-regulation of fibrinogen-like protein 2 in porcine endothelial cells by xenogenic CD40 signal. <i>Animal Cells and Systems</i> , 2018, 22, 92-99.	0.8	0
87	Establishment and identification of cell lines from type O blood Korean native pigs and their efficiency in supporting embryonic development via somatic cell nuclear transfer. <i>Journal of Veterinary Science</i> , 2018, 19, 492.	0.5	0