Eunhye Kim

List of Publications by Year
in descending order

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85 papers	1,119 citations	516710 16 h-index	526287 27 g-index
87 all docs	87 docs citations	87 times ranked	1303 citing authors

#	Article	IF	Citations
1	The effects of resveratrol on porcine oocyte in vitro maturation and subsequent embryonic development after parthenogenetic activation and in vitro fertilization. Theriogenology, 2012, 78, 86-101.	2.1	134
2	L-carnitine treatment during oocyte maturation improves in vitro development of cloned pig embryos by influencing intracellular glutathione synthesis and embryonic gene expression. Theriogenology, 2012, 78, 235-243.	2.1	76
3	Establishment of TP53-knockout canine cells using optimized CRIPSR/Cas9 vector system for canine cancer research. BMC Biotechnology, 2019, 19, 1.	3.3	67
4	Antioxidative effect of carboxyethylgermanium sesquioxide (Ge-132) on IVM of porcine oocytes and subsequent embryonic development after parthenogenetic activation and IVF. Theriogenology, 2015, 84, 226-236.	2.1	43
5	Supplementation of zinc on oocyte inÂvitro maturation improves preimplatation embryonic development in pigs. Theriogenology, 2014, 82, 866-874.	2.1	41
6	Effects of coculture with cumulus-derived somatic cells on inÂvitro maturation of porcine oocytes. Theriogenology, 2015, 83, 294-305.	2.1	32
7	Production of Multiple Transgenic Yucatan Miniature Pigs Expressing Human Complement Regulatory Factors, Human CD55, CD59, and H-Transferase Genes. PLoS ONE, 2013, 8, e63241.	2.5	31
8	Depletion of follicles accelerated by combined exposure to phthalates and 4-vinylcyclohexene diepoxide, leading to premature ovarian failure in rats. Reproductive Toxicology, 2018, 80, 60-67.	2.9	27
9	Cilostamide and forskolin treatment during pre-IVM improves preimplantation development of cloned embryos by influencing meiotic progression and gap junction communication in pigs. Theriogenology, 2016, 86, 757-765.	2.1	23
10	Zinc deficiency during in vitro maturation of porcine oocytes causes meiotic block and developmental failure. Molecular Medicine Reports, 2015, 12, 5973-5982.	2.4	21
11	2,4,6-Tribromophenol Interferes with the Thyroid Hormone System by Regulating Thyroid Hormones and the Responsible Genes in Mice. International Journal of Environmental Research and Public Health, 2016, 13, 697.	2.6	20
12	GDF8 activates p38 MAPK signaling during porcine oocyte maturation inÂvitro. Theriogenology, 2017, 101, 123-134.	2.1	20
13	The new system of shorter porcine oocyte inÂvitro maturation (18 hours) using â‰¥8 mm follicles derived from cumulus-oocyte complexes. Theriogenology, 2014, 81, 291-301.	2.1	19
14	The effects of human recombinant granulocyte-colony stimulating factor treatment during inÂvitro maturation of porcine oocyte on subsequent embryonic development. Theriogenology, 2015, 84, 1075-1087.	2.1	19
15	Putative embryonic stem cells derived from porcine cloned blastocysts using induced pluripotent stem cells as donors. Theriogenology, 2016, 85, 601-616.	2.1	19
16	The effect of copper supplementation on inÂvitro maturation of porcine cumulus-oocyte complexes and subsequent developmental competence after parthenogenetic activation. Theriogenology, 2021, 164, 84-92.	2.1	19
17	Production of Pigs Expressing a Transgene under the Control of a Tetracycline-Inducible System. PLoS ONE, 2014, 9, e86146.	2.5	18
18	Effect of ganglioside GT1b on the <i>in vitro</i> maturation of porcine oocytes and embryonic development. Journal of Reproduction and Development, 2015, 61, 549-557.	1.4	17

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19	Effect of Trans-Îµ-Viniferin on <i>In Vitro</i> Porcine Oocyte Maturation and Subsequent Developmental Competence in Preimplantation Embryos. Journal of Veterinary Medical Science, 2013, 75, 1277-1286.	0.9	16
20	Effect of porcine uterus as exÂvivo model of fertilizing ability and gene expression pattern on blastocysts. Theriogenology, 2019, 129, 146-153.	2.1	16
21	Neural induction of porcineâ€induced pluripotent stem cells and further differentiation using glioblastomaâ€cultured medium. Journal of Cellular and Molecular Medicine, 2019, 23, 2052-2063.	3.6	16
22	Improvement in the blastocyst quality and efficiency of putative embryonic stem cell line derivation from porcine embryos produced in vitro using a novel culturing system. Molecular Medicine Reports, 2015, 12, 2140-2148.	2.4	15
23	Lysophosphatidic acid increases inÂvitro maturation efficiency via uPA-uPAR signaling pathway in cumulus cells. Theriogenology, 2018, 113, 197-207.	2.1	15
24	Effects of human recombinant granulocyte-colony stimulating factor treatment during in vitro culture on porcine pre-implantation embryos. PLoS ONE, 2020, 15, e0230247.	2.5	14
25	Expression and regulation of inhibitor of DNA binding proteins ID1, ID2, ID3, and ID4 at the maternal-conceptus interface in pigs. Theriogenology, 2018, 108, 46-55.	2.1	13
26	Growth differentiation factor 8 regulates SMAD2/3 signaling and improves oocyte quality during porcine oocyte maturation in vitroâ€. Biology of Reproduction, 2019, 101, 63-75.	2.7	13
27	Carboxyethylgermanium sesquioxide (Ge-132) treatment during in vitro culture protects fertilized porcine embryos against oxidative stress induced apoptosis. Journal of Reproduction and Development, 2017, 63, 581-590.	1.4	12
28	Generation of craniofacial myogenic progenitor cells from human induced pluripotent stem cells for skeletal muscle tissue regeneration. Biomaterials, 2020, 248, 119995.	11.4	12
29	Cleavage pattern and survivin expression in porcine embryos by somatic cell nuclear transfer. Theriogenology, 2011, 76, 1187-1196.	2.1	11
30	Developmental competence of IVM pig oocytes after SCNT in relation to the shrinkage pattern induced by hyperosmotic treatment. Theriogenology, 2014, 81, 974-981.	2.1	11
31	Effects of Octylphenol and Bisphenol A on the Metal Cation Transporter Channels of Mouse Placentas. International Journal of Environmental Research and Public Health, 2016, 13, 965.	2.6	11
32	Optical Modulation on the Nucleus Accumbens Core in the Alleviation of Neuropathic Pain in Chronic Dorsal Root Ganglion Compression Rat Model. Neuromodulation, 2020, 23, 167-176.	0.8	11
33	A canine model of Alzheimerâ€™s disease generated by overexpressing a mutated human amyloid precursor protein. International Journal of Molecular Medicine, 2014, 33, 1003-1012.	4.0	10
34	Relationship between time post-ovulation and progesterone on oocyte maturation and pregnancy in canine cloning. Animal Reproduction Science, 2017, 185, 75-82.	1.5	10
35	Embryotropic effects of vascular endothelial growth factor on porcine embryos produced by inÂvitro fertilization. Theriogenology, 2018, 120, 147-156.	2.1	10
36	GDF8 enhances SOX2 expression and blastocyst total cell number in porcine IVF embryo development. Theriogenology, 2019, 129, 70-76.	2.1	10

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37	Optogenetic stimulation of the motor cortex alleviates neuropathic pain in rats of infraorbital nerve injury with/without CGRP knock-down. Journal of Headache and Pain, 2020, 21, 106.	6.0	10
38	Toxicity evaluation of ethanol treatment during in vitro maturation of porcine oocytes and subsequent embryonic development following parthenogenetic activation and in vitro fertilization. International Journal of Molecular Medicine, 2014, 34, 1372-1380.	4.0	9
39	Supplement of cilostamide in growth medium improves oocyte maturation and developmental competence of embryos derived from small antral follicles in pigs. Theriogenology, 2017, 91, 1-8.	2.1	9
40	Successful surgical correction of anal atresia in a transgenic cloned piglet. Journal of Veterinary Science, 2005, 6, 243.	1.3	9
41	Effects of Trichostatin A on <italic>In vitro</italic> Development of Porcine Embryos Derived from Somatic Cell Nuclear Transfer. Asian-Australasian Journal of Animal Sciences, 2013, 26, 1680-1688.	2.4	9
42	Influence of somatic cell donor breed on reproductive performance and comparison of prenatal growth in cloned canines. Theriogenology, 2014, 81, 1207-1213.e1.	2.1	8
43	Effect of zinc on inÂvitro development of porcine embryos. Theriogenology, 2015, 84, 531-537.	2.1	8
44	R-Spondin 2 and WNT/CTNNB1 Signaling Pathways Are Required for Porcine Follicle Development and In Vitro Maturation. Animals, 2021, 11, 709.	2.3	8
45	Preimplantation development of cloned canine embryos recovered by hysterectomy or surgical uterine flushing and subsequent pregnancy outcomes. Theriogenology, 2016, 86, 1865-1872.e1.	2.1	7
46	Production of transgenic pigs using a pGFAP-CreERT2/EGFPLoxP inducible system for central nervous system disease models. Journal of Veterinary Science, 2018, 19, 434.	1.3	7
47	Effect of Vascular Endothelial Growth Factor on in vitro Porcine Oocyte Maturation and Subsequent Developmental Competence after Parthenogenesis. Journal of Animal and Veterinary Advances, 2010, 9, 2924-2931.	0.1	7
48	Effect of zeaxanthin on porcine embryonic development during in vitro maturation. Journal of Biomedical Research, 2017, 31, 154.	1.6	7
49	Comparative Analysis of Human, Mouse, and Pig Glial Fibrillary Acidic Protein Gene Structures. Animal Biotechnology, 2016, 27, 126-132.	1.5	6
50	In vitro oocyte maturation in a medium containing reduced sodium chloride improves the developmental competence of pig oocytes after parthenogenesis and somatic cell nuclear transfer. Reproduction, Fertility and Development, 2017, 29, 1625.	0.4	6
51	Immortalization of Porcine 11Î²-Hydroxysteroid Dehydrogenase Type 1-Transgenic Liver Cells Using SV40 Large T Antigen. International Journal of Molecular Sciences, 2017, 18, 2625.	4.1	6
52	SV40 Large T Antigen Disrupts Embryogenesis of Canine and Porcine Somatic Cell Nuclear Transfer Embryo. Biological Procedures Online, 2017, 19, 13.	2.9	6
53	Atypical chemokine receptors 1, 2, 3 and 4: Expression and regulation in the endometrium during the estrous cycle and pregnancy and with somatic cell nucleus transferâ€“cloned embryos in pigs. Theriogenology, 2019, 129, 121-129.	2.1	6
54	Transcriptional activities of human elongation factor-1Î± and cytomegalovirus promoter in transgenic dogs generated by somatic cell nuclear transfer. PLoS ONE, 2020, 15, e0233784.	2.5	6

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55	Effect of Interleukin-7 on In Vitro Maturation of Porcine Cumulus-Oocyte Complexes and Subsequent Developmental Potential after Parthenogenetic Activation. Animals, 2021, 11, 741.	2.3	6
56	Effects of Stem Cell Factor/c-Kit Signaling on In Vitro Maturation of Porcine Oocytes and Subsequent Developmental Competence After Fertilization. Frontiers in Veterinary Science, 2021, 8, 745488.	2.2	6
57	Beneficial Effects of Neurotrophin-4 Supplementation During in vitro Maturation of Porcine Cumulus-Oocyte Complexes and Subsequent Embryonic Development After Parthenogenetic Activation. Frontiers in Veterinary Science, 2021, 8, 779298.	2.2	6
58	Amino Acid Supplementation Affects Imprinted Gene Transcription Patterns in Parthenogenetic Porcine Blastocysts. PLoS ONE, 2014, 9, e106549.	2.5	5
59	Analysis of imprinted IGF2/H19 gene methylation and expression in normal fertilized and parthenogenetic embryonic stem cells of pigs. Animal Reproduction Science, 2014, 147, 47-55.	1.5	5
60	Comparative analysis of various donor cell types for somatic cell nuclear transfer and its association with apoptosis and senescence. Molecular Medicine Reports, 2014, 9, 63-68.	2.4	5
61	Zinc supplementation during <i>in vitro</i> maturation increases the production efficiency of cloned pigs. Journal of Reproduction and Development, 2016, 62, 635-638.	1.4	5
62	Combined Treatment with Demecolcine and 6-Dimethylaminopurine during Postactivation Improves Developmental Competence of Somatic Cell Nuclear Transfer Embryos in Pigs. Animal Biotechnology, 2018, 29, 41-49.	1.5	5
63	Isolation and characterization of GFAP-positive porcine neural stem/progenitor cells derived from a GFAP-CreERT2 transgenic piglet. BMC Veterinary Research, 2018, 14, 331.	1.9	5
64	Trehalose supplementation during porcine oocytes inÂvitro maturation improves the developmental capacity of parthenotes. Theriogenology, 2020, 141, 91-97.	2.1	5
65	Novel culture system via wirelessly controllable optical stimulation of the FGF signaling pathway for human and pig pluripotency. Biomaterials, 2021, 269, 120222.	11.4	5
66	Effect of D-Glucuronic Acid and N-acetyl-D-Glucosamine Treatment during In Vitro Maturation on Embryonic Development after Parthenogenesis and Somatic Cell Nuclear Transfer in Pigs. Animals, 2021, 11, 1034.	2.3	5
67	Klotho : Expression and Regulation at the Maternal-Conceptus Interface in Pigs. Journal of Animal Reproduciton and Biotechnology, 2014, 29, 375-383.	0.6	5
68	Effects of lysophosphatidic acid on human periodontal ligament stem cells from teeth extracted from dental patients. Journal of Biomedical Research, 2019, 33, 122-130.	1.6	5
69	Exploring the mechanism of trehalose: dual functions of PI3K/Akt and VPS34/mTOR pathways in porcine oocytes and cumulus cells. Biology of Reproduction, 2022, 107, 432-445.	2.7	5
70	Optimized Approaches for the Induction of Putative Canine Induced Pluripotent Stem Cells from Old Fibroblasts Using Synthetic RNAs. Animals, 2020, 10, 1848.	2.3	4
71	An Improved System for Generation of Diploid Cloned Porcine Embryos Using Induced Pluripotent Stem Cells Synchronized to Metaphase. PLoS ONE, 2016, 11, e0160289.	2.5	4
72	Colcemid treatment during oocyte maturation improves preimplantation development of cloned pig embryos by influencing meiotic progression and cytoplasmic maturation. Molecular Reproduction and Development, 2015, 82, 489-497.	2.0	3

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73	Ultrastructural comparison of porcine putative embryonic stem cells derived by in vitro fertilization and somatic cell nuclear transfer. Journal of Reproduction and Development, 2016, 62, 177-185.	1.4	3
74	Apoptosis in Porcine Pluripotent Cells: From ICM to iPSCs. International Journal of Molecular Sciences, 2016, 17, 1533.	4.1	3
75	Characterization and comparison of genomic profiles between primary cancer cell lines and parent atypical meningioma tumors. Cancer Cell International, 2020, 20, 345.	4.1	3
76	An Optimization of AAV-82Q-Delivered Rat Model of Huntingtonâ€™s Disease. Journal of Korean Neurosurgical Society, 2020, 63, 579-589.	1.2	3
77	L1 Recombinant Proteins of HPV Tested for Antibody Forming Using Sera of HPV Quadrivalent Vaccine. Immune Network, 2018, 18, e19.	3.6	2
78	Approaches to characterize the transcriptional trajectory of human myogenesis. Cellular and Molecular Life Sciences, 2021, 78, 4221-4234.	5.4	2
79	Transplantation of human embryonic stem cells alleviates motor dysfunction in AAV2-Htt171-82Q transfected rat model of Huntingtonâ€™s disease. Stem Cell Research and Therapy, 2021, 12, 585.	5.5	2
80	Supplementation of fetal bovine serum increased the quality of in vitro fertilized porcine embryo. Journal of Advanced Veterinary and Animal Research, 2021, 8, 1.	1.2	2
81	Establishment of 3D Neuro-Organoids Derived from Pig Embryonic Stem-Like Cells. International Journal of Molecular Sciences, 2021, 22, 2600.	4.1	1
82	The use of pituitary adenylate cyclase-activating polypeptide in the pre-maturation system improves in vitro developmental competence from small follicles of porcine oocytes. Asian-Australasian Journal of Animal Sciences, 2019, 32, 1844-1853.	2.4	1
83	In vitro maturation using Î±MEM with reduced NaCl enhances maturation and developmental competence of pig oocytes after somatic cell nuclear transfer. Journal of Veterinary Science, 2022, 23, e31.	1.3	1
84	Pre-validation of an alternative test method for prediction of developmental neurotoxicity. Food and Chemical Toxicology, 2022, 164, 113070.	3.6	1
85	Generation of transgenic fibroblasts expressing pancreas-specific and doxycycline-inducible ICER Iî³ for the establishment of a porcine model of human diabetes mellitus. Molecular Medicine Reports, 2014, 10, 1136-1142.	2.4	0