

Youngsok Choi

List of Publications by Year in descending order

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109
papers

4,355
citations

101496

36
h-index

114418

63
g-index

111
all docs

111
docs citations

111
times ranked

5396
citing authors

#	ARTICLE	IF	CITATIONS
1	Oogenesis requires germ cell-specific transcriptional regulators <i>Sohlh1</i> and <i>Lhx8</i> . Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8090-8095.	3.3	248
2	NOBOX Homeobox Mutation Causes Premature Ovarian Failure. American Journal of Human Genetics, 2007, 81, 576-581.	2.6	219
3	Horad1 Mutation Disrupts Synaptonemal Complex Formation, Recombination, and Chromosome Segregation in Mammalian Meiosis. PLoS Genetics, 2010, 6, e1001190.	1.5	179
4	Transcription Factor FIGLA is Mutated in Patients with Premature Ovarian Failure. American Journal of Human Genetics, 2008, 82, 1342-1348.	2.6	177
5	Identification of Endometrial Genes Regulated by Early Pregnancy, Progesterone, and Interferon Tau in the Ovine Uterus1. Biology of Reproduction, 2006, 74, 383-394.	1.2	162
6	Antiviral Potential of Nanoparticles—Can Nanoparticles Fight Against Coronaviruses?. Nanomaterials, 2020, 10, 1645.	1.9	162
7	<scp>VEGF</scp> regulated by progesterone governs uterine angiogenesis and vascular remodelling during pregnancy. EMBO Molecular Medicine, 2013, 5, 1415-1430.	3.3	141
8	Interferon Regulatory Factor-Two Restricts Expression of Interferon-Stimulated Genes to the Endometrial Stroma and Glandular Epithelium of the Ovine Uterus1. Biology of Reproduction, 2001, 65, 1038-1049.	1.2	139
9	Lim Homeobox Gene, <i>Lhx8</i> , Is Essential for Mouse Oocyte Differentiation and Survival1. Biology of Reproduction, 2008, 79, 442-449.	1.2	130
10	Melatonin prevents cisplatin-induced primordial follicle loss via suppression of <scp>PTEN</scp>/<scp>AKT</scp>/<scp>FOXO</scp>3a pathway activation in the mouse ovary. Journal of Pineal Research, 2016, 60, 336-347.	3.4	129
11	Germ Cell-Specific Transcriptional Regulator <i>Sohlh2</i> Is Essential for Early Mouse Folliculogenesis and Oocyte-Specific Gene Expression1. Biology of Reproduction, 2008, 79, 1176-1182.	1.2	126
12	Microarray Analyses of Newborn Mouse Ovaries Lacking <i>Nobox</i> 1. Biology of Reproduction, 2007, 77, 312-319.	1.2	113
13	<i>Sohlh2</i> is a germ cell-specific bHLH transcription factor. Gene Expression Patterns, 2006, 6, 1014-1018.	0.3	107
14	Cisplatin Induces Overactivation of the Dormant Primordial Follicle through PTEN/AKT/FOXO3a Pathway which Leads to Loss of Ovarian Reserve in Mice. PLoS ONE, 2015, 10, e0144245.	1.1	99
15	Reading and Function of a Histone Code Involved in Targeting Corepressor Complexes for Repression. Molecular and Cellular Biology, 2005, 25, 324-335.	1.1	98
16	Genetics of early mammalian folliculogenesis. Cellular and Molecular Life Sciences, 2006, 63, 579-590.	2.4	89
17	Effects of the Estrous Cycle, Pregnancy, and Interferon Tau on β -Oligoadenylate Synthetase Expression in the Ovine Uterus1. Biology of Reproduction, 2001, 64, 1392-1399.	1.2	87
18	Identification of Genes in the Ovine Endometrium Regulated by Interferon β , Independent of Signal Transducer and Activator of Transcription 1. Endocrinology, 2003, 144, 5203-5214.	1.4	83

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19	Pregnancy and Interferon Tau Regulate Major Histocompatibility Complex Class I and β 2-Microglobulin Expression in the Ovine Uterus. <i>Biology of Reproduction</i> , 2003, 68, 1703-1710.	1.2	81
20	Mutations in SOHLH1 gene associate with nonobstructive Azoospermia. <i>Human Mutation</i> , 2010, 31, 788-793.	1.1	81
21	Characterization of NOBOX DNA Binding Specificity and Its Regulation of Gdf9 and Pou5f1 Promoters. <i>Journal of Biological Chemistry</i> , 2006, 281, 35747-35756.	1.6	80
22	Integrative Analyses of Uterine Transcriptome and MicroRNAome Reveal Compromised LIF-STAT3 Signaling and Progesterone Response in the Endometrium of Patients with Recurrent/Repeated Implantation Failure (RIF). <i>PLoS ONE</i> , 2016, 11, e0157696.	1.1	69
23	Premature ovarian failure in nobox-deficient mice is caused by defects in somatic cell invasion and germ cell cyst breakdown. <i>Journal of Assisted Reproduction and Genetics</i> , 2011, 28, 583-589.	1.2	68
24	Synergistic effect of melatonin and ghrelin in preventing cisplatin-induced ovarian damage via regulation of FOXO3a phosphorylation and binding to the p27 ^{Kip1} promoter in primordial follicles. <i>Journal of Pineal Research</i> , 2017, 63, e12432.	3.4	65
25	Evaluation of Graphene Oxide Induced Cellular Toxicity and Transcriptome Analysis in Human Embryonic Kidney Cells. <i>Nanomaterials</i> , 2019, 9, 969.	1.9	65
26	The histone methyltransferase, NSD2, enhances androgen receptor-mediated transcription. <i>FEBS Letters</i> , 2009, 583, 1880-1886.	1.3	58
27	Cloning of the Ovine Estrogen Receptor Promoter and Functional Regulation by Ovine Interferon- γ . <i>Endocrinology</i> , 2001, 142, 2879-2887.	1.4	53
28	Effects of the estrous cycle, pregnancy and interferon tau on expression of cyclooxygenase two (COX-2) in ovine endometrium. <i>Reproductive Biology and Endocrinology</i> , 2003, 1, 58.	1.4	53
29	Decreased expression of sirtuin 6 is associated with release of high mobility group box-1 after cerebral ischemia. <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 388-394.	1.0	50
30	Regulatory Mechanism for Expression of IL1B Receptors in the Uterine Endometrium and Effects of IL1B on Prostaglandin Synthetic Enzymes During the Implantation Period in Pigs. <i>Biology of Reproduction</i> , 2012, 87, 31.	1.2	48
31	Functions of PIWI proteins in spermatogenesis. <i>Clinical and Experimental Reproductive Medicine</i> , 2011, 38, 61.	0.5	46
32	Role of the focal adhesion protein TRIM15 in colon cancer development. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 409-421.	1.9	46
33	Roles of Stat1, Stat2, and Interferon Regulatory Factor-9 (IRF-9) in Interferon Tau Regulation of IRF-11. <i>Biology of Reproduction</i> , 2002, 66, 393-400.	1.2	43
34	Programmed cell death 5 mediates HDAC3 decay to promote genotoxic stress response. <i>Nature Communications</i> , 2015, 6, 7390.	5.8	40
35	PINK1 positively regulates HDAC3 to suppress dopaminergic neuronal cell death. <i>Human Molecular Genetics</i> , 2015, 24, 1127-1141.	1.4	38
36	Melatonin and Fertoprotective Adjuvants: Prevention against Premature Ovarian Failure during Chemotherapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1221.	1.8	38

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37	Deubiquitinase OTUD5 mediates the sequential activation of PDCD5 and p53 in response to genotoxic stress. <i>Cancer Letters</i> , 2015, 357, 419-427.	3.2	36
38	Cytotoxicity and Transcriptomic Analyses of Biogenic Palladium Nanoparticles in Human Ovarian Cancer Cells (SKOV3). <i>Nanomaterials</i> , 2019, 9, 787.	1.9	36
39	DNAJB1 negatively regulates MIG6 to promote epidermal growth factor receptor signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2722-2730.	1.9	33
40	A Porous Membrane-Mediated Isolation of Mesenchymal Stem Cells from Human Embryonic Stem Cells. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 322-329.	1.1	28
41	Transcription factors in the maintenance and survival of primordial follicles. <i>Clinical and Experimental Reproductive Medicine</i> , 2012, 39, 127.	0.5	26
42	Anisotropic Platinum Nanoparticle-Induced Cytotoxicity, Apoptosis, Inflammatory Response, and Transcriptomic and Molecular Pathways in Human Acute Monocytic Leukemia Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 440.	1.8	26
43	Association of miR-146aC>G, miR-149C>T, miR-196a2T>C, and miR-499A>G polymorphisms with risk of recurrent implantation failure in Korean women. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2016, 202, 14-19.	0.5	25
44	Production of transgenic pig as an Alzheimer's disease model using a multi-cistronic vector system. <i>PLoS ONE</i> , 2017, 12, e0177933.	1.1	25
45	Role of mitochondrial fission-related genes in mitochondrial morphology and energy metabolism in mouse embryonic stem cells. <i>Redox Biology</i> , 2020, 36, 101599.	3.9	25
46	Sirtuin 6 deficiency induces endothelial cell senescence via downregulation of forkhead box M1 expression. <i>Aging</i> , 2020, 12, 20946-20967.	1.4	25
47	Haplotype-based association of ACE I/D, AT1R 1166A>C, and AGT M235T polymorphisms in renin-angiotensin-aldosterone system genes in Korean women with idiopathic recurrent spontaneous abortions. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2011, 158, 225-228.	0.5	23
48	Prostaglandin D2 synthase related to estrogen in the female reproductive tract. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 355-360.	1.0	23
49	Role of estrogen and RAS signaling in repeated implantation failure. <i>BMB Reports</i> , 2018, 51, 225-229.	1.1	21
50	Genetic Variation of Methylenetetrahydrofolate Reductase (MTHFR) and Thymidylate Synthase (TS) Genes Is Associated with Idiopathic Recurrent Implantation Failure. <i>PLoS ONE</i> , 2016, 11, e0160884.	1.1	20
51	The oocyte-specific transcription factor, Nobox, regulates the expression of <i>Pad6</i> , a peptidylarginine deiminase in the oocyte. <i>FEBS Letters</i> , 2010, 584, 3629-3634.	1.3	19
52	Microinjection free delivery of miRNA inhibitor into zygotes. <i>Scientific Reports</i> , 2014, 4, 5417.	1.6	19
53	mTOR-Dependent Role of Sestrin2 in Regulating Tumor Progression of Human Endometrial Cancer. <i>Cancers</i> , 2020, 12, 2515.	1.7	18
54	Interferon regulatory factor 6 (IRF6) is expressed in the ovine uterus and functions as a transcriptional activator. <i>Molecular and Cellular Endocrinology</i> , 2009, 299, 252-260.	1.6	17

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55	Epigenetic priming by Dot1l in lymphatic endothelial progenitors ensures normal lymphatic development and function. <i>Cell Death and Disease</i> , 2020, 11, 14.	2.7	17
56	Severe combined immunodeficiency pig as an emerging animal model for human diseases and regenerative medicines. <i>BMB Reports</i> , 2019, 52, 625-634.	1.1	17
57	Association of inhibin β gene promoter polymorphisms with risk of idiopathic primary ovarian insufficiency in Korean women. <i>Maturitas</i> , 2014, 77, 163-167.	1.0	16
58	Deficiency in DGCR8-dependent canonical microRNAs causes infertility due to multiple abnormalities during uterine development in mice. <i>Scientific Reports</i> , 2016, 6, 20242.	1.6	16
59	Cloning of the Ovine Estrogen Receptor- β Promoter and Functional Regulation by Ovine Interferon- β . <i>Endocrinology</i> , 2001, 142, 2879-2887.	1.4	15
60	Association of methylenetetrahydrofolate reductase (MTHFR 677C>T) and thymidylate synthase (TSER and TS 1494del6) polymorphisms with premature ovarian failure in Korean women. <i>Menopause</i> , 2012, 19, 1260-1266.	0.8	14
61	SOHLH2 is essential for synaptonemal complex formation during spermatogenesis in early postnatal mouse testes. <i>Scientific Reports</i> , 2016, 6, 20980.	1.6	13
62	Polymorphisms in tumor necrosis factor-alpha (β 863C>A, β 857C>T and +488G>A) are associated with idiopathic recurrent pregnancy loss in Korean women. <i>Human Immunology</i> , 2016, 77, 506-511.	1.2	13
63	STK3/4 Expression Is Regulated in Uterine Endometrial Cells during the Estrous Cycle. <i>Cells</i> , 2019, 8, 1643.	1.8	13
64	Expression and localization of the novel and highly conserved gametocyte-specific factor 1 during oogenesis and spermatogenesis. <i>Fertility and Sterility</i> , 2009, 91, 2020-2024.	0.5	12
65	Pluripotent Hybrid Cells Contribute to Extraembryonic as well as Embryonic Tissues. <i>Stem Cells and Development</i> , 2011, 20, 1063-1069.	1.1	12
66	Solute Carrier Family 19, Member 1 (SLC19A1) Polymorphisms (β 43T>C, 80G>A, and 696C>T), and Haplotypes in Idiopathic Recurrent Spontaneous Abortion in a Korean Population. <i>Reproductive Sciences</i> , 2012, 19, 513-519.	1.1	12
67	Knockdown of PRKAR2B Results in the Failure of Oocyte Maturation. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 2009-2020.	1.1	12
68	RASD1 Knockdown Results in Failure of Oocyte Maturation. <i>Cellular Physiology and Biochemistry</i> , 2016, 40, 1289-1302.	1.1	11
69	Vascular endothelial growth factor gene polymorphisms in Korean patients with premature ovarian failure. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2011, 159, 138-142.	0.5	10
70	The reduced folate carrier-1 (RFC1 696T>C) polymorphism is associated with spontaneously aborted embryos in Koreans. <i>Genes and Genomics</i> , 2011, 33, 223-228.	0.5	10
71	YAF2 promotes TP53-mediated genotoxic stress response via stabilization of PDCD5. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1060-1072.	1.9	10
72	Rapid expression of RASD1 is regulated by estrogen receptor-dependent intracellular signaling pathway in the mouse uterus. <i>Molecular and Cellular Endocrinology</i> , 2017, 446, 32-39.	1.6	9

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73	Analysis of interferon- β receptor <i>IFNGR1</i> and <i>IFNGR2</i> expression and regulation at the maternal-conceptus interface and the role of interferon- β on endometrial expression of interferon signaling molecules during early pregnancy in pigs. <i>Molecular Reproduction and Development</i> , 2019, 86, 1993-2004.	1.0	9
74	Aluminum exposure promotes the metastatic proclivity of human colorectal cancer cells through matrix metalloproteinases and the TGF- β /Smad signaling pathway. <i>Food and Chemical Toxicology</i> , 2020, 141, 111402.	1.8	9
75	Korean Red Ginseng Suppresses the Expression of Oxidative Stress Response and NLRP3 Inflammasome Genes in Aged C57BL/6 Mouse Ovaries. <i>Foods</i> , 2020, 9, 526.	1.9	9
76	Inhibition of neural stem cell aging through the transient induction of reprogramming factors. <i>Journal of Comparative Neurology</i> , 2021, 529, 595-604.	0.9	9
77	Association between kinase insert domain-containing receptor polymorphisms (β 604T>C, 1192G>A), Tj ETQq1 1 0,784314 ggBT /Over	0.8	9
78	Tudor Domain Containing Protein TDRD12 Expresses at the Acrosome of Spermatids in Mouse Testis. <i>Asian-Australasian Journal of Animal Sciences</i> , 2016, 29, 944-951.	2.4	8
79	Identification and Characterization of LHX8 DNA Binding Elements. <i>Development & Reproduction</i> , 2012, 16, 379-384.	0.5	8
80	Bioimaging of transcriptional activity of microRNA124a during neurogenesis. <i>Biotechnology Letters</i> , 2015, 37, 2333-2340.	1.1	7
81	The expression of aminoacyl-tRNA-synthetase-interacting multifunctional protein-1 (Aimp1) is regulated by estrogen in the mouse uterus. <i>Molecular and Cellular Endocrinology</i> , 2015, 399, 78-86.	1.6	7
82	Effects of kefir on doxorubicin-induced multidrug resistance in human colorectal cancer cells. <i>Journal of Functional Foods</i> , 2021, 78, 104371.	1.6	7
83	Hippo Signaling in the Endometrium. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3852.	1.8	7
84	Neural Stem Cells Achieve and Maintain Pluripotency without Feeder Cells. <i>PLoS ONE</i> , 2011, 6, e21367.	1.1	6
85	Avian Prostatic Acid Phosphatase: Estrogen Regulation in the Oviduct and Epithelial Cell-Derived Ovarian Carcinomas1. <i>Biology of Reproduction</i> , 2014, 91, 3.	1.2	6
86	Estrogen-dependent expression of sine oculis homeobox 1 in the mouse uterus during the estrous cycle. <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 489-495.	1.0	6
87	Differential Regulation of TLE3 in Sertoli Cells of the Testes during Postnatal Development. <i>Cells</i> , 2019, 8, 1156.	1.8	6
88	Mitochondrial and Metabolic Dynamics of Endometrial Stromal Cells During the Endometrial Cycle. <i>Stem Cells and Development</i> , 2020, 29, 1407-1415.	1.1	6
89	TRITC-Loaded PLGA Nanoparticles as Drug Delivery Carriers in Mouse Oocytes and Embryos. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5975-5988.	4.0	6
90	Expression and Regulation of CD73 during the Estrous Cycle in Mouse Uterus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9403.	1.8	6

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91	Ground-State Conditions Promote Robust Prdm14 Reactivation and Maintain an Active Dlk1-Dio3 Region during Reprogramming. <i>Molecules and Cells</i> , 2014, 37, 31-35.	1.0	4
92	Modification to the injection needle to a screw needle improves effective cell delivery in acute myocardial infarction. <i>Biotechnology Letters</i> , 2014, 36, 859-868.	1.1	4
93	A novel mouse model of atopic dermatitis that is T helper 2 (Th2)-polarized by an epicutaneous allergen. <i>Environmental Toxicology and Pharmacology</i> , 2018, 58, 122-130.	2.0	4
94	Novel single-nucleotide polymorphisms of LHX8 gene in Korean women with premature ovarian insufficiency. <i>Genes and Genomics</i> , 2010, 32, 397-400.	0.5	3
95	Directing human embryonic stem cells towards functional endothelial cells easily and without purification. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 274-283.	1.6	3
96	Generation of brain organoids from mouse ESCs via teratoma formation. <i>Stem Cell Research</i> , 2020, 49, 102100.	0.3	3
97	BIRC5 Expression Is Regulated in Uterine Epithelium during the Estrous Cycle. <i>Genes</i> , 2020, 11, 282.	1.0	3
98	Different Cre systems induce differential microRNA landscapes and abnormalities in the female reproductive tracts of Dgcr8 conditional knockout mice. <i>Cell Proliferation</i> , 2021, 54, e12996.	2.4	3
99	Influence of habitat change from land to sea on the evolution of antimicrobial peptide gene families, including defensin gene clusters, in mammals. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 510-521.	0.6	2
100	Role of Transcriptional and Epigenetic Regulation in Lymphatic Endothelial Cell Development. <i>Cells</i> , 2022, 11, 1692.	1.8	2
101	Sperm DNA-mediated reduction of nonspecific fluorescence during cellular imaging with quantum dots. <i>Chemical Communications</i> , 2015, 51, 11584-11586.	2.2	1
102	Function of TET proteins in germ cell reprogramming. <i>Genes and Genomics</i> , 2015, 37, 223-229.	0.5	1
103	LHX8 DEFICIENCY DISRUPTS EARLY FOLLICULOGENESIS AND OOCYTE-SPECIFIC GENE EXPRESSION IN THE MOUSE OVARY. <i>Biology of Reproduction</i> , 2007, 77, 91-91.	1.2	1
104	Comparison of DNA/RNA yield and integrity between PMAP36-mediated and other bacterial lysis methods. <i>Journal of Microbiological Methods</i> , 2022, 193, 106396.	0.7	1
105	Generation of a B2M homozygous knockout human somatic cell nuclear transfer-derived embryonic stem cell line using the CRISPR/Cas9 system. <i>Stem Cell Research</i> , 2022, 59, 102643.	0.3	1
106	Corrigendum to "The oocyte-specific transcription factor, Nobox, regulates the expression of Pad6, a peptidylarginine deiminase in the oocyte" [FEBS Lett. 584 (2010) 3629-3634]. <i>FEBS Letters</i> , 2010, 584, 4490-4490.	1.3	0
107	Conjugation of vascular endothelial growth factor to poly lactic-co-glycolic acid nanospheres enhances differentiation of embryonic stem cells to lymphatic endothelial cells. <i>Animal Bioscience</i> , 2021, 34, 533-538.	0.8	0
108	Accelerated Loss of Germ Cells in LIM-homeobox Gene, Lhx8, Likely Occurs Due to Misexpression of Kit, Kitl, and a Multitude of Germ Cell-Specific Genes. <i>Biology of Reproduction</i> , 2008, 78, 203-204.	1.2	0

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109	The Development, Differentiation, and Toxicity in Reproduction. International Journal of Molecular Sciences, 2022, 23, 7183.	1.8	0