Jae Yong Han

List of Publications by Year in descending order

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172	4,029	117625	175258
papers	citations	34 h-index	52 g-index

172	172	172	2524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	piggyBac transposition into primordial germ cells is an efficient tool for transgenesis in chickens. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9337-9341.	7.1	154
2	Targeted gene knockout in chickens mediated by TALENs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12716-12721.	7.1	135
3	Derivation and characterization of pluripotent embryonic germ cells in chicken. Molecular Reproduction and Development, 2000, 56, 475-482.	2.0	126
4	Basic Fibroblast Growth Factor Activates MEK/ERK Cell Signaling Pathway and Stimulates the Proliferation of Chicken Primordial Germ Cells. PLoS ONE, 2010, 5, e12968.	2.5	102
5	Germ cells and transgenesis in chickens. Comparative Immunology, Microbiology and Infectious Diseases, 2009, 32, 61-80.	1.6	99
6	PRODUCTION OF GERMLINE CHIMERIC CHICKENS BY TRANSFER OF CULTURED PRIMORDIAL GERM CELLS. Cell Biology International, 1997, 21, 495-499.	3.0	91
7	Improved Germline Transmission in Chicken Chimeras Produced by Transplantation of Gonadal Primordial Germ Cells into Recipient Embryos1. Biology of Reproduction, 2003, 68, 1657-1662.	2.7	90
8	Reproduction of Wild Birds via Interspecies Germ Cell Transplantation1. Biology of Reproduction, 2008, 79, 931-937.	2.7	73
9	Production of germline chimeras by transfer of chicken gonadal primordial germ cells maintained in vitro for an extended period. Theriogenology, 2002, 58, 1531-1539.	2.1	72
10	Generation of transgenic quail through germ cellâ€mediated germline transmission. FASEB Journal, 2008, 22, 2435-2444.	0.5	69
11	MicroRNA-mediated posttranscriptional regulation is required for maintaining undifferentiated properties of blastoderm and primordial germ cells in chickens. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10426-10431.	7.1	69
12	Molecular cloning and characterization of chicken NK-lysin. Veterinary Immunology and Immunopathology, 2006, 110, 339-347.	1.2	67
13	Birth of germline chimeras by transfer of chicken embryonic germ (EG) cells into recipient embryos. Molecular Reproduction and Development, 2003, 65, 389-395.	2.0	66
14	Development of Novel Markers for the Characterization of Chicken Primordial Germ Cells. Stem Cells, 2005, 23, 689-698.	3.2	63
15	DAZLExpression Explains Origin and Central Formation of Primordial Germ Cells in Chickens. Stem Cells and Development, 2016, 25, 68-79.	2.1	57
16	Embryonic stem cell-like cells established by culture of adult ovarian cells in mice. Fertility and Sterility, 2010, 93, 2594-2601.e9.	1.0	55
17	A Testis-Mediated Germline Chimera Production Based on Transfer of Chicken Testicular Cells Directly into Heterologous Testes1. Biology of Reproduction, 2006, 75, 380-386.	2.7	54
18	Modulation of inflammatory signaling pathways by phytochemicals in ovarian cancer. Genes and Nutrition, 2011, 6, 109-115.	2.5	50

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19	Activation of mTOR signaling pathway associated with adverse prognostic factors of epithelial ovarian cancer. Gynecologic Oncology, 2011, 121, 8-12.	1.4	48
20	Discovery of Candidate Genes and Pathways Regulating Oviduct Development in Chickens1. Biology of Reproduction, 2011, 85, 306-314.	2.7	48
21	Deposition of bioactive human epidermal growth factor in the egg white of transgenic hens using an oviductâ€specific minisynthetic promoter. FASEB Journal, 2015, 29, 2386-2396.	0.5	47
22	Differential expression of alpha 2 macroglobulin in response to dietylstilbestrol and in ovarian carcinomas in chickens. Reproductive Biology and Endocrinology, 2011, 9, 137.	3.3	46
23	Enriched gonadal migration of donor-derived gonadal primordial germ cells by immunomagnetic cell sorting in birds. Molecular Reproduction and Development, 2004, 68, 81-87.	2.0	45
24	Tissue expression and antibacterial activity of host defense peptides in chicken. BMC Veterinary Research, 2016, 12, 231.	1.9	45
25	Production of Biofunctional Recombinant Human Interleukin 1 Receptor Antagonist (rhIL1RN) from Transgenic Quail Egg White1. Biology of Reproduction, 2010, 82, 1057-1064.	2.7	43
26	Expression Patterns and miRNA Regulation of DNA Methyltransferases in Chicken Primordial Germ Cells. PLoS ONE, 2011, 6, e19524.	2.5	42
27	Effects of a single nucleotide polymorphism in the chicken NK-lysin gene on antimicrobial activity and cytotoxicity of cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12087-12092.	7.1	40
28	The early development of germ cells in chicken. International Journal of Developmental Biology, 2018, 62, 145-152.	0.6	40
29	Production of quail (Coturnix japonica) germline chimeras by transfer of gonadal primordial germ cells into recipient embryos. Theriogenology, 2005, 63, 774-782.	2.1	39
30	Identification, Culture, and Characterization of Germline Stem Cell-Like Cells in Chicken Testes1. Biology of Reproduction, 2007, 76, 173-182.	2.7	38
31	Improved transfection efficiency of chicken gonadal primordial germ cells for the production of transgenic poultry. Transgenic Research, 1998, 7, 247-252.	2.4	36
32	AHCYL1 Is Mediated by Estrogen-Induced ERK1/2 MAPK Cell Signaling and MicroRNA Regulation to Effect Functional Aspects of the Avian Oviduct. PLoS ONE, 2012, 7, e49204.	2.5	36
33	SERPINB3 in the Chicken Model of Ovarian Cancer: A Prognostic Factor for Platinum Resistance and Survival in Patients with Epithelial Ovarian Cancer. PLoS ONE, 2012, 7, e49869.	2.5	36
34	Spatial and temporal action of chicken primordial germ cells during initial migration. Reproduction, 2015, 149, 179-187.	2.6	36
35	Wnt/Î²-catenin signaling pathway activation is required for proliferation of chicken primordial germ cells in vitro. Scientific Reports, 2016, 6, 34510.	3.3	36
36	Differential expression of secreted phosphoprotein 1 in response to estradiol-17Î² and in ovarian tumors in chickens. Biochemical and Biophysical Research Communications, 2012, 422, 494-500.	2.1	35

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37	Migration and Proliferation of Intact and Genetically Modified Primordial Germ Cells and the Generation of a Transgenic Chicken1. Biology of Reproduction, 2010, 82, 257-262.	2.7	33
38	Targeted gene insertion into Z chromosome of chicken primordial germ cells for avian sexing model development. FASEB Journal, 2019, 33, 8519-8529.	0.5	33
39	Establishment of autologous embryonic stem cells derived from preantral follicle culture and oocyte parthenogenesis. Fertility and Sterility, 2008, 90, 1910-1920.	1.0	32
40	Distinct Expression Pattern and Post-Transcriptional Regulation of Cell Cycle Genes in the Glandular Epithelia of Avian Ovarian Carcinomas. PLoS ONE, 2012, 7, e51592.	2.5	32
41	Expression and regulation of beta-defensin 11 in the oviduct in response to estrogen and in ovarian tumors of chickens. Molecular and Cellular Endocrinology, 2013, 366, 1-8.	3.2	32
42	Precise gene editing of chicken Na+/H+ exchange type 1 (chNHE1) confers resistance to avian leukosis virus subgroup J (ALV-J). Developmental and Comparative Immunology, 2017, 77, 340-349.	2.3	32
43	Cloning and functional characterization of chicken interleukin-17D. Veterinary Immunology and Immunopathology, 2008, 126, 1-8.	1.2	31
44	Chicken Pleiotrophin: Regulation of Tissue Specific Expression by Estrogen in the Oviduct and Distinct Expression Pattern in the Ovarian Carcinomas. PLoS ONE, 2012, 7, e34215.	2.5	31
45	Avian SERPINB11 gene: a marker for ovarian endometrioid cancer in chickens. Experimental Biology and Medicine, 2012, 237, 150-159.	2.4	30
46	Loss of Fat with Increased Adipose Triglyceride Lipaseâ€Mediated Lipolysis in Adipose Tissue During Laying Stages in Quail. Lipids, 2013, 48, 13-21.	1.7	30
47	Targeted Knockout of MDA5 and TLR3 in the DF-1 Chicken Fibroblast Cell Line Impairs Innate Immune Response Against RNA Ligands. Frontiers in Immunology, 2020, 11, 678.	4.8	30
48	Expression pattern of meiosis associated SYCP family members during germline development in chickens. Reproduction, 2009, 138, 483-492.	2.6	29
49	The mTORC2 Component Rictor Contributes to Cisplatin Resistance in Human Ovarian Cancer Cells. PLoS ONE, 2013, 8, e75455.	2.5	29
50	Small non-coding RNA profiling and the role of piRNA pathway genes in the protection of chicken primordial germ cells. BMC Genomics, 2014, 15, 757.	2.8	29
51	Production of quail (Coturnix japonica) germline chimeras derived from in vitroâ€cultured gonadal primordial germ cells. Molecular Reproduction and Development, 2008, 75, 274-281.	2.0	28
52	Paradoxical expression of AHCYL1 affecting ovarian carcinogenesis between chickens and women. Experimental Biology and Medicine, 2012, 237, 758-767.	2.4	28
53	Cell-Specific and Temporal Aspects of Gene Expression in the Chicken Oviduct at Different Stages of the Laying Cycle1. Biology of Reproduction, 2012, 86, 172.	2.7	28
54	Cleavage Events and Sperm Dynamics in Chick Intrauterine Embryos. PLoS ONE, 2013, 8, e80631.	2.5	28

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55	Matrix metalloproteinase 3 is a stromal marker for chicken ovarian cancer. Oncology Letters, 2011, 2, 1047-1051.	1.8	27
56	Characterization and Application of Oviductal Epithelial Cells In Vitro in Gallus domesticus1. Biology of Reproduction, 2011, 85, 798-807.	2.7	27
57	Primordial germ cell-mediated transgenesis and genome editing in birds. Journal of Animal Science and Biotechnology, 2018, 9, 19.	5.3	27
58	Gene expression profiling of chicken primordial germ cell ESTs. BMC Genomics, 2006, 7, 220.	2.8	26
59	CpG methylation modulates tissue-specific expression of a transgene in chickens. Theriogenology, 2010, 74, 805-816.e1.	2.1	26
60	Regulation of Glucose Phosphate Isomerase by the 3â€²UTR-Specific miRNAs miR-302b and miR-17-5p in Chicken Primordial Germ Cells1. Biology of Reproduction, 2013, 89, 33.	2.7	26
61	Identification and characterization of primordial germ cells in a vocal learning Neoaves species, the zebra finch. FASEB Journal, 2019, 33, 13825-13836.	0.5	26
62	Host-Specific Restriction of Avian Influenza Virus Caused by Differential Dynamics of ANP32 Family Members. Journal of Infectious Diseases, 2020, 221, 71-80.	4.0	25
63	Structural and histological characterization of oviductal magnum and lectin-binding patterns in Gallus domesticus. Reproductive Biology and Endocrinology, 2011, 9, 62.	3.3	24
64	Siteâ€specific recombination in the chicken genome using Flipase recombinaseâ€mediated cassette exchange. FASEB Journal, 2016, 30, 555-563.	0.5	24
65	Avian SERPINB11 Gene: Characteristics, Tissue-Specific Expression, and Regulation of Expression by Estrogen1. Biology of Reproduction, 2011, 85, 1260-1268.	2.7	23
66	Development and characterization of a recombinant chicken single-chain Fv antibody detecting Eimeria acervulina sporozoite antigen. Biotechnology Letters, 2005, 27, 289-295.	2.2	22
67	Cellular analysis of cleavage-stage chick embryos reveals hidden conservation in vertebrate early development. Development (Cambridge), 2015, 142, 1279-86.	2.5	22
68	The reversible developmental unipotency of germ cells in chicken. Reproduction, 2010, 139, 113-119.	2.6	21
69	Chicken NK-lysin is an alpha-helical cationic peptide that exerts its antibacterial activity through damage of bacterial cell membranes. Poultry Science, 2014, 93, 864-870.	3.4	21
70	A set of stage-specific gene transcripts identified in EK stage X and HH stage 3 chick embryos. BMC Developmental Biology, 2007, 7, 60.	2.1	20
71	Increased expression of cysteine cathepsins in ovarian tissue from chickens with ovarian cancer. Reproductive Biology and Endocrinology, 2010, 8, 100.	3.3	20
72	Strategies to enable the adoption of animal biotechnology to sustainably improve global food safety and security. Transgenic Research, 2016, 25, 575-595.	2.4	20

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73	Zygotic gene activation in the chicken occurs in two waves, the first involving only maternally derived genes. ELife, 2018, 7, .	6.0	20
74	Inhibition of Lipolysis in the Novel Transgenic Quail Model Overexpressing G0/G1 Switch Gene 2 in the Adipose Tissue during Feed Restriction. PLoS ONE, 2014, 9, e100905.	2.5	19
75	The transcriptome of early chicken embryo reveal signaling pathways governing rapid asymmetric cellularization and lineage segregation. Development (Cambridge), 2018, 145, .	2.5	19
76	Testis-Specific Novel Transcripts in Chicken: In Situ Localization and Expression Pattern Profiling During Sexual Development1. Biology of Reproduction, 2008, 79, 413-420.	2.7	18
77	The transgenic chicken derived anti-CD20 monoclonal antibodies exhibits greater anti-cancer therapeutic potential with enhanced Fc effector functions. Biomaterials, 2018, 167, 58-68.	11.4	18
78	Avian biomodels for use as pharmaceutical bioreactors and for studying human diseases. Annals of the New York Academy of Sciences, 2011, 1229, 69-75.	3.8	17
79	Hormonal regulation of beta-catenin during development of the avian oviduct and its expression in epithelial cell-derived ovarian carcinogenesis. Molecular and Cellular Endocrinology, 2014, 382, 46-54.	3.2	17
80	The first whole transcriptomic exploration of pre-oviposited early chicken embryos using single and bulked embryonic RNA-sequencing. GigaScience, 2018, 7, 1-9.	6.4	17
81	Precise Genome Editing in Poultry and Its Application to Industries. Genes, 2020, 11, 1182.	2.4	17
82	Germline Modification and Engineering in Avian Species. Molecules and Cells, 2015, 38, 743-749.	2.6	17
83	Germline-competent stem cell in avian species and its application. Asian Journal of Andrology, 2015, 17, 421.	1.6	17
84	Establishment of an in vitro culture system for chicken preblastodermal cells. Molecular Reproduction and Development, 2006, 73, 452-461.	2.0	16
85	Gene Expression and DNA Methylation Status of Chicken Primordial Germ Cells. Molecular Biotechnology, 2013, 54, 177-186.	2.4	16
86	Acquisition of resistance to avian leukosis virus subgroup B through mutations on tvb cysteine-rich domains in DF-1 chicken fibroblasts. Veterinary Research, 2017, 48, 48.	3.0	16
87	DMRT1 gene disruption alone induces incomplete gonad feminization in chicken. FASEB Journal, 2021, 35, e21876.	0.5	16
88	Requirement of leukemia inhibitory factor for establishing and maintaining embryonic stem cells in mice. Fertility and Sterility, 2009, 92, 1133-1140.	1.0	15
89	Molecular cloning and comparative analysis of immunoglobulin heavy chain genes from Phasianus colchicus, Meleagris gallopavo, and Coturnix japonica. Veterinary Immunology and Immunopathology, 2010, 136, 248-256.	1.2	15
90	The dynamic development of germ cells during chicken embryogenesis. Poultry Science, 2018, 97, 650-657.	3.4	15

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91	Detection and characterization of primordial germ cells in pheasant (Phasianus colchicus) embryos. Theriogenology, 2005, 63, 1038-1049.	2.1	14
92	Expression and Knockdown Analysis of Glucose Phosphate Isomerase in Chicken Primordial Germ Cells1. Biology of Reproduction, 2012, 87, 57.	2.7	14
93	Comparative metabolic pathway analysis with special reference to nucleotide metabolism-related genes in chicken primordial germ cells. Theriogenology, 2013, 79, 28-39.	2.1	14
94	Avian WNT4 in the Female Reproductive Tracts: Potential Role of Oviduct Development and Ovarian Carcinogenesis. PLoS ONE, 2013, 8, e65935.	2.5	14
95	Role of Epigenetic Regulation by the REST/CoREST/HDAC Corepressor Complex of ModerateNANOGExpression in Chicken Primordial Germ Cells. Stem Cells and Development, 2018, 27, 1215-1225.	2.1	14
96	Proteome analysis of chicken embryonic gonads: Identification of major proteins from cultured gonadal primordial germ cells. Molecular Reproduction and Development, 2005, 72, 521-529.	2.0	13
97	Serum replacement with a growth factorâ€“free synthetic substance in culture medium contributes to effective establishment of mouse embryonic stem cells of various origins. Fertility and Sterility, 2006, 86, 1137-1145.	1.0	13
98	The avian-specific small heat shock protein HSP25 is a constitutive protector against environmental stresses during blastoderm dormancy. Scientific Reports, 2016, 6, 36704.	3.3	13
99	Dissecting chicken germ cell dynamics by combining a germ cell tracing transgenic chicken model with single-cell RNA sequencing. Computational and Structural Biotechnology Journal, 2022, 20, 1654-1669.	4.1	13
100	Identification of breed-specific DNA polymorphisms for a simple and unambiguous screening system in germline chimeric chickens. Journal of Experimental Zoology, 2007, 307A, 241-248.	1.2	12
101	Genetic modification of chicken germ cells. Annals of the New York Academy of Sciences, 2012, 1271, 104-109.	3.8	11
102	Tissue specific expression and estrogen regulation of SERPINB3 in the chicken oviduct. General and Comparative Endocrinology, 2012, 175, 65-73.	1.8	11
103	Current genomic editing approaches in avian transgenesis. General and Comparative Endocrinology, 2013, 190, 144-148.	1.8	11
104	Overexpression of G0/G1 Switch Gene 2 in Adipose Tissue of Transgenic Quail Inhibits Lipolysis Associated with Egg Laying. International Journal of Molecular Sciences, 2016, 17, 384.	4.1	11
105	Isolation, Characterization, and In Vitro Culturing of Spermatogonial Stem Cells in Japanese Quail (Coturnix japonica). Stem Cells and Development, 2017, 26, 60-70.	2.1	11
106	Zygotic genome activation in the chicken: a comparative review. Cellular and Molecular Life Sciences, 2020, 77, 1879-1891.	5.4	11
107	Highly elevated base excision repair pathway in primordial germ cells causes low base editing activity in chickens. FASEB Journal, 2020, 34, 15907-15921.	0.5	11
108	Expression and regulation of avian beta-defensin 8 protein in immune tissues and cell lines of chickens. Asian-Australasian Journal of Animal Sciences, 2018, 31, 1516-1524.	2.4	11

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109	ChickGCE: A novel germ cell EST database for studying the early developmental stage in chickens. Genomics, 2006, 88, 252-257.	2.9	10
110	Gamma-irradiation depletes endogenous germ cells and increases donor cell distribution in chimeric chickens. In Vitro Cellular and Developmental Biology - Animal, 2010, 46, 828-833.	1.5	10
111	Genome Modification Technologies and Their Applications in Avian Species. International Journal of Molecular Sciences, 2017, 18, 2245.	4.1	10
112	Transcriptional and translational dynamics during maternalâ€toâ€zygotic transition in early chicken development. FASEB Journal, 2018, 32, 2004-2011.	0.5	10
113	The expression profile of apoptosis-related genes in the chicken as a human epithelial ovarian cancer model. Oncology Reports, 2011, 25, 49-56.	2.6	10
114	Claudin 10 is a glandular epithelial marker in the chicken model as human epithelial ovarian cancer. International Journal of Gynecological Cancer, 2010, 20, 1465-73.	2.5	10
115	The distribution of neuron-specific gene family member 1 in brain and germ cells: Implications for the regulation of germ-line development by brain. Developmental Dynamics, 2011, 240, 850-861.	1.8	9
116	Comparative expression and regulation of TMSB4X in male reproductive tissues of rats and chickens. Journal of Experimental Zoology, 2013, 319, 584-595.	1.2	9
117	Transformation of somatic cells into stem cellâ€like cells under a stromal niche. FASEB Journal, 2013, 27, 2644-2656.	0.5	9
118	Conservation of Migration and Differentiation Circuits in Primordial Germ Cells Between Avian Species. Journal of Reproduction and Development, 2013, 59, 252-257.	1.4	9
119	Acquisition of pluripotency in the chick embryo occurs during intrauterine embryonic development via a unique transcriptional network. Journal of Animal Science and Biotechnology, 2018, 9, 31.	5.3	9
120	Sequential disruption of ALV host receptor genes reveals no sharing of receptors between ALV subgroups A, B, and J. Journal of Animal Science and Biotechnology, 2019, 10, 23.	5.3	9
121	MPSS profiling of embryonic gonad and primordial germ cells in chicken. Physiological Genomics, 2007, 29, 253-259.	2.3	8
122	Avian blastoderm dormancy arrests cells in G 2 and suppresses apoptosis. FASEB Journal, 2017, 31, 3240-3250.	0.5	8
123	Isolation and Characterization of Chicken Primordial Germ Cells and Their Application in Transgenesis. Methods in Molecular Biology, 2017, 1650, 229-242.	0.9	8
124	Avian Biotechnology: Insights from Germ Cell-mediated Transgenic Systems. Journal of Poultry Science, 2010, 47, 197-207.	1.6	7
125	Asp149 and Asp152 in chicken and human ANP32A play an essential role in the interaction with influenza viral polymerase. FASEB Journal, 2021, 35, e21630.	0.5	7
126	Efficient gene transfer into zebra finch germline-competent stem cells using an adenoviral vector system. Scientific Reports, 2021, 11, 14746.	3.3	7

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127	Production of germline chimeric quails following spermatogonial cell transplantation in busulfan-treated testis. Asian Journal of Andrology, 2018, 20, 414.	1.6	7
128	An alternative method of deriving embryonic stem cell-like clones by aggregation of diploid cells with tetraploid embryos. Fertility and Sterility, 2006, 85, 1103-1110.	1.0	6
129	Molecular cloning and characterization of the germ cellâ€related nuclear orphan receptor in chickens. Molecular Reproduction and Development, 2010, 77, 273-284.	2.0	6
130	Molecular and biological aspects of early germ cell development in interspecies hybrids between chickens and pheasants. Theriogenology, 2011, 75, 696-706.	2.1	6
131	Reactivation of Transgene Expression by Alleviating CpG Methylation of the Rous sarcoma virus Promoter in Transgenic Quail Cells. Molecular Biotechnology, 2011, 49, 222-228.	2.4	6
132	ERBB receptor feedback inhibitor 1: Identification and regulation by estrogen in chickens. General and Comparative Endocrinology, 2012, 175, 194-205.	1.8	6
133	A novel Fâ€box domain containing cyclin F like gene is required for maintaining the genome stability and survival of chicken primordial germ cells. FASEB Journal, 2020, 34, 1001-1017.	0.5	6
134	Whole-Transcriptome Sequencing-Based Analysis of DAZL and Its Interacting Genes during Germ Cells Specification and Zygotic Genome Activation in Chickens. International Journal of Molecular Sciences, 2020, 21, 8170.	4.1	6
135	Differential transcriptional regulation of the NANOG gene in chicken primordial germ cells and embryonic stem cells. Journal of Animal Science and Biotechnology, 2021, 12, 40.	5.3	6
136	In vivo enrichment of busulfan-resistant germ cells for efficient production of transgenic avian models. Scientific Reports, 2021, 11, 9127.	3.3	6
137	Single-Cell RNA Sequencing Revealed the Heterogeneity of Gonadal Primordial Germ Cells in Zebra Finch (Taeniopygia guttata). Frontiers in Cell and Developmental Biology, 2021, 9, 791335.	3.7	6
138	Fertilisation of cryopreserved sperm and unfertilised quail ovum by intracytoplasmic sperm injection. Reproduction, Fertility and Development, 2016, 28, 1974.	0.4	5
139	Chicken NANOG selfâ€associates via a novel foldingâ€uponâ€binding mechanism. FASEB Journal, 2018, 32, 2563-2573.	0.5	5
140	Production of quail (Coturnix japonica) germline chimeras by transfer of Ficoll-enriched spermatogonial stem cells. Theriogenology, 2020, 154, 223-231.	2.1	5
141	Establishment of a genetically engineered chicken DF-1 cell line for efficient amplification of influenza viruses in the absence of trypsin. BMC Biotechnology, 2021, 21, 2.	3.3	5
142	Genome Editing Mediated by Primordial Germ Cell in Chicken. Methods in Molecular Biology, 2017, 1630, 153-163.	0.9	5
143	Single-cell RNA sequencing of mitotic-arrested prospermatogonia with DAZL::GFP chickens and revealing unique epigenetic reprogramming of chickens. Journal of Animal Science and Biotechnology, 2022, 13, .	5.3	5
144	The CCAAT element in the CIWI promoter regulates transcriptional initiation in chicken primordial germ cells. Molecular Reproduction and Development, 2014, 81, 871-882.	2.0	4

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145	Regulatory elements and transcriptional control of chicken vasa homologue (CVH) promoter in chicken primordial germ cells. Journal of Animal Science and Biotechnology, 2017, 8, 6.	5.3	4
146	Cryopreservation of Korean Oge chicken semen using N-methylacetamide. Cryo-Letters, 2012, 33, 427-34.	0.3	4
147	Production of Interspecific Germline Chimeras via Embryo Replacement1. Biology of Reproduction, 2015, 93, 36.	2.7	3
148	Expression of transcription factors during area pellucida formation in intrauterine chicken embryos. International Journal of Developmental Biology, 2018, 62, 341-345.	0.6	3
149	In vitro estimation of metal-induced disturbance in chicken gut-oviduct chemokine circuit. Molecular and Cellular Toxicology, 2019, 15, 443-452.	1.7	3
150	Expression Patterns of Germ Cell-specific Phosducin-like 2 during Testicular and Ovarian Development in Chickens. Asian-Australasian Journal of Animal Sciences, 2010, 23, 1000-1006.	2.4	3
151	Chicken blastoderms and primordial germ cells possess a higher expression of DNA repair genes and lower expression of apoptosis genes to preserve their genome stability. Scientific Reports, 2022, 12, 49.	3.3	3
152	Comprehensive analysis on the homology, interaction, and miRNA regulators of human deleted in azoospermia proteins: updated evolutionary relationships with primates. Genes and Genomics, 2017, 39, 1335-1351.	1.4	2
153	Transgenesis and Genome Editing in Poultry. , 2018, , .		2
154	Identification and expression analysis of alpha tocopherol transfer protein in chickens fed diets containing different concentrations of alpha-tocopherol. Research in Veterinary Science, 2019, 123, 99-110.	1.9	2
155	Production of germline chimeric quails by transplantation of cryopreserved testicular cells into developing embryos. Theriogenology, 2020, 156, 189-195.	2.1	2
156	Comparison of Vitrification and Slow Freezing for the Cryopreservation of Chicken Primordial Germ Cell (Ogye). Journal of Animal Science and Technology, 2013, 55, 417-425.	2.5	2
157	Amplification of immunity by engineering chicken MDA5 combined with the C terminal domain (CTD) of RIG-I. Applied Microbiology and Biotechnology, 2022, 106, 1599-1613.	3.6	2
158	Increased reactivity of cultured chicken blastodermal cells to anti-stage-specific embryonic antigen-1 antibody after exposure to bone morphogenetic proteins. Theriogenology, 2006, 65, 658-668.	2.1	1
159	Possibility to Establish Chicken Stem Cell from Non-germline Tissue; Detection of Colony-forming Cells after Chicken Fibroblast Culture and Subsequent Stem Cell Characterization. Journal of Poultry Science, 2012, 49, 196-204.	1.6	1
160	The Effect of Modified Cryopreservation Method on Viability of Frozen-thawed Primordial Germ Cell on the Korean Native Chicken (Ogye). Journal of Animal Science and Technology, 2013, 55, 427-434.	2.5	1
161	Non-Viral Transgenesis via Direct In Ovo Lipofection in Quail. Korean Journal of Poultry Science, 2015, 42, 239-245.	0.3	1
162	Comparative Study on the Viability of Frozen-thawed Primordial Germ Cells using Vitrification in Chicken Breed. Korean Journal of Poultry Science, 2013, 40, 207-216.	0.3	1

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163	Effect of Ethylene Glycol(EG) and Propylene Glycol(PG) on the Viability of Frozen-thawed Primordial Germ Cells(PGCs) on Korean Native Chicken(Ogye) by Vitrification. Korean Journal of Poultry Science, 2013, 40, 197-205.	0.3	1
164	Generation and characterization of genome-modified chondrocyte-like cells from the zebra finch cell line immortalized by c-MYC expression. Frontiers in Zoology, 2022, 19, .	2.0	1
165	Identification of the Major Proteins Produced by Cultured Germline Stem Cells in Chicken. Journal of Andrology, 2009, 30, 690-702.	2.0	0
166	Epigenetic Programming of Germline, Nonmammalian Vertebrates. , 2018, , 152-158.		0
167	Germ Cell Transplantation in Avian Species. Methods in Molecular Biology, 2019, 1920, 317-326.	0.9	0
168	Chicken FMRP Translational Regulator 1 (FMR1) Promotes Early Avian Influenza Virus Transcription without Affecting Viral Progeny Production in DF1 Cells. Korean Journal of Poultry Science, 2021, 48, 81-90.	0.3	0
169	Cryopreservation of Primordial Germ Cells(PGCs) from Korean Native Chicken(Ogye) Embryos using Commercial Cryoprotectants. Korean Journal of Poultry Science, 2013, 40, 163-169.	0.3	0
170	Cellular Dynamics after Injection of Mesoderm-Derived Human Embryonic Kidney 293 Cells and Fibroblasts into Developing Chick Embryos. Journal of Cancer Prevention, 2014, 19, 68-73.	2.0	0
171	The Effect of Simple Freezing Method on Viability of Frozen-thawed Primordial Germ Cells on the Chicken. Korean Journal of Poultry Science, 2014, 41, 261-270.	0.3	0
172	The Evaluation of Various Conditions in the Cryopreservation of Primordial Germ Cells on Korean Native Chicken (Ogye). Korean Journal of Poultry Science, 2014, 41, 249-259.	0.3	0