Atsuo Ogura

List of Publications by Year
in descending order

280 papers	17,983 citations	15504 65 h-index	16183 124 g-index
285 all docs	285 docs citations	285 times ranked	13446 citing authors

#	Article	IF	Citations
1	Long-Term Proliferation in Culture and Germline Transmission of Mouse Male Germline Stem Cells1. Biology of Reproduction, 2003, 69, 612-616.	2.7	922
2	Colorimetric detection of loop-mediated isothermal amplification reaction by using hydroxy naphthol blue. BioTechniques, 2009, 46, 167-172.	1.8	820
3	Generation of Pluripotent Stem Cells from Neonatal Mouse Testis. Cell, 2004, 119, 1001-1012.	28.9	766
4	In vitro production of functional sperm in cultured neonatal mouse testes. Nature, 2011, 471, 504-507.	27.8	630
5	Requirement of CD9 on the Egg Plasma Membrane for Fertilization. Science, 2000, 287, 321-324.	12.6	624
6	PGC7 binds histone H3K9me2 to protect against conversion of 5mC to 5hmC in early embryos. Nature, 2012, 486, 415-419.	27.8	397
7	Inter-mitochondrial complementation: Mitochondria-specific system preventing mice from expression of disease phenotypes by mutant mtDNA. Nature Medicine, 2001, 7, 934-940.	30.7	380
8	Deletion of Peg10, an imprinted gene acquired from a retrotransposon, causes early embryonic lethality. Nature Genetics, 2006, 38, 101-106.	21.4	376
9	Generation of mice with mitochondrial dysfunction by introducing mouse mtDNA carrying a deletion into zygotes. Nature Genetics, 2000, 26, 176-181.	21.4	366
10	Long-Term Culture of Mouse Male Germline Stem Cells Under Serum-or Feeder-Free Conditions1. Biology of Reproduction, 2005, 72, 985-991.	2.7	309
11	Erasing genomic imprinting memory in mouse clone embryos produced from day 11.5 primordial germ cells. Development (Cambridge), 2002, 129, 1807-1817.	2.5	305
12	Role of retrotransposon-derived imprinted gene, Rtl1, in the feto-maternal interface of mouse placenta. Nature Genetics, 2008, 40, 243-248.	21.4	300
13	Faithful Expression of Imprinted Genes in Cloned Mice. Science, 2002, 295, 297-297.	12.6	253
14	Early death of mice cloned from somatic cells. Nature Genetics, 2002, 30, 253-254.	21.4	248
15	Cloning of mice to six generations. Nature, 2000, 407, 318-319.	27.8	242
16	Akt mediates self-renewal division of mouse spermatogonial stem cells. Development (Cambridge), 2007, 134, 1853-1859.	2.5	234
17	Production of Male Cloned Mice from Fresh, Cultured, and Cryopreserved Immature Sertoli Cells1. Biology of Reproduction, 2000, 62, 1579-1584.	2.7	228
18	Impeding <i>Xist</i> Expression from the Active X Chromosome Improves Mouse Somatic Cell Nuclear Transfer. Science, 2010, 330, 496-499.	12.6	224

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19	Epigenetic Regulation of Mouse Sex Determination by the Histone Demethylase Jmjd1a. Science, 2013, 341, 1106-1109.	12.6	217
20	Genetic and epigenetic properties of mouse male germline stem cells during long-term culture. Development (Cambridge), 2005, 132, 4155-4163.	2.5	210
21	In vitro production of fertile sperm from murine spermatogonial stem cell lines. Nature Communications, 2011, 2, 472.	12.8	198
22	Recent advancements in cloning by somatic cell nuclear transfer. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20110329.	4.0	179
23	Round Spermatid Nuclei Injected into Hamster Oocytes form Pronuclei and Participate in Syngamy1. Biology of Reproduction, 1993, 48, 219-225.	2.7	170
24	Pluripotency of a Single Spermatogonial Stem Cell in Mice1. Biology of Reproduction, 2008, 78, 681-687.	2.7	170
25	Generation of Induced Pluripotent Stem Cells in Rabbits. Journal of Biological Chemistry, 2010, 285, 31362-31369.	3.4	153
26	Production of knockout mice by random or targeted mutagenesis in spermatogonial stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8018-8023.	7.1	151
27	Long-term ex vivo maintenance of testis tissues producing fertile sperm in a microfluidic device. Scientific Reports, 2016, 6, 21472.	3.3	147
28	Generation of Cloned Mice by Direct Nuclear Transfer from Natural Killer T Cells. Current Biology, 2005, 15, 1114-1118.	3.9	142
29	RNAi-mediated knockdown of <i>Xist</i> can rescue the impaired postimplantation development of cloned mouse embryos. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20621-20626.	7.1	142
30	Functional Differences between GDNF-Dependent and FGF2-Dependent Mouse Spermatogonial Stem Cell Self-Renewal. Stem Cell Reports, 2015, 4, 489-502.	4.8	142
31	Offspring production with sperm grown in vitro from cryopreserved testis tissues. Nature Communications, 2014, 5, 4320.	12.8	139
32	Selective and Continuous Elimination of Mitochondria Microinjected Into Mouse Eggs From Spermatids, but Not From Liver Cells, Occurs Throughout Embryogenesis. Genetics, 2000, 156, 1277-1284.	2.9	135
33	Histone Variants Enriched in Oocytes Enhance Reprogramming to Induced Pluripotent Stem Cells. Cell Stem Cell, 2014, 14, 217-227.	11.1	130
34	Effects of Donor Cell Type and Genotype on the Efficiency of Mouse Somatic Cell Cloning. Biology of Reproduction, 2003, 69, 1394-1400.	2.7	127
35	Oligo-astheno-teratozoospermia in mice lacking Cnot7, a regulator of retinoid X receptor beta. Nature Genetics, 2004, 36, 528-533.	21.4	127
36	Birth of mice after nuclear transfer by electrofusion using tail tip cells. Molecular Reproduction and Development, 2000, 57, 55-59.	2.0	126

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37	Isolation, characterization, and<i>in vitro</i>and<i>in vivo</i>differentiation of putative thecal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12389-12394.	7.1	122
38	Regulation of Spermatogenesis by Testis-Specific, Cytoplasmic Poly(A) Polymerase TPAP. Science, 2002, 298, 1999-2002.	12.6	119
39	Spermatogenesis from epiblast and primordial germ cells following transplantation into postnatal mouse testis. Development (Cambridge), 2005, 132, 117-122.	2.5	119
40	Serum- and Feeder-Free Culture of Mouse Germline Stem Cells1. Biology of Reproduction, 2011, 84, 97-105.	2.7	115
41	Restoration of spermatogenesis by lentiviral gene transfer: Offspring from infertile mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7524-7529.	7.1	109
42	Allogeneic Offspring Produced by Male Germ Line Stem Cell Transplantation into Infertile Mouse Testis1. Biology of Reproduction, 2003, 68, 167-173.	2.7	109
43	Erasing genomic imprinting memory in mouse clone embryos produced from day 11.5 primordial germ cells. Development (Cambridge), 2002, 129, 1807-17.	2.5	106
44	Loss of H3K27me3 Imprinting in Somatic Cell Nuclear Transfer Embryos Disrupts Post-Implantation Development. Cell Stem Cell, 2018, 23, 343-354.e5.	11.1	105
45	Inefficient reprogramming of the hematopoietic stem cell genome following nuclear transfer. Journal of Cell Science, 2006, 119, 1985-1991.	2.0	104
46	Reconstitution of Mouse Spermatogonial Stem Cell Niches in Culture. Cell Stem Cell, 2012, 11, 567-578.	11.1	104
47	Production of cloned mice by somatic cellnuclear transfer. Nature Protocols, 2006, 1, 125-138.	12.0	103
48	MousePeg9/Dlk1and humanPEG9/DLK1are paternally expressed imprinted genes closely located to the maternally expressed imprinted genes: mouseMeg3/Gtl2and humanMEG3. Genes To Cells, 2000, 5, 1029-1037.	1.2	102
49	Clonal Origin of Germ Cell Colonies after Spermatogonial Transplantation in Mice1. Biology of Reproduction, 2006, 75, 68-74.	2.7	99
50	CDKL5 controls postsynaptic localization of GluN2B-containing NMDA receptors in the hippocampus and regulates seizure susceptibility. Neurobiology of Disease, 2017, 106, 158-170.	4.4	92
51	Beta-galactosidase-deficient mouse as an animal model for GM1-gangliosidosis. Glycoconjugate Journal, 1997, 14, 729-736.	2.7	91
52	Spermatozoa and spermatids retrieved from frozen reproductive organs or frozen whole bodies of male mice can produce normal offspring. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13098-13103.	7.1	89
53	Production of Functional Spermatids from Mouse Germline Stem Cells in Ectopically Reconstituted Seminiferous Tubules1. Biology of Reproduction, 2007, 76, 211-217.	2.7	89
54	Behaviour of hamster and mouse round spermatid nuclei incorporated into mature oocytes by electrofusion. Zygote, 1993, 1, 1-8.	1.1	88

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55	Noninvasive visualization of molecular events in the mammalian zygote. Genesis, 2005, 43, 71-79.	1.6	88
56	Ubiquitin C-Terminal Hydrolase L-1 Is Essential for the Early Apoptotic Wave of Germinal Cells and for Sperm Quality Control During Spermatogenesis1. Biology of Reproduction, 2005, 73, 29-35.	2.7	88
57	Analysis of the Mechanism for Chromatin Remodeling in Embryos Reconstructed by Somatic Nuclear Transfer1. Biology of Reproduction, 2002, 67, 760-766.	2.7	85
58	Centromeric DNA hypomethylation as an epigenetic signature discriminates between germ and somatic cell lineages. Developmental Biology, 2007, 312, 419-426.	2.0	84
59	The <i>Sall3</i> locus is an epigenetic hotspot of aberrant DNA methylation associated with placentomegaly of cloned mice. Genes To Cells, 2004, 9, 253-260.	1.2	80
60	A New, Dynamic Era for Somatic Cell Nuclear Transfer?. Trends in Biotechnology, 2016, 34, 791-797.	9.3	77
61	Mouse oocytes injected with cryopreserved round spermatids can develop into normal offspring. Journal of Assisted Reproduction and Genetics, 1996, 13, 431-434.	2.5	74
62	Adenovirus-mediated gene delivery and in vitro microinsemination produce offspring from infertile male mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1383-1388.	7.1	70
63	BMP4 induction of trophoblast from mouse embryonic stem cells in defined culture conditions on laminin. In Vitro Cellular and Developmental Biology - Animal, 2010, 46, 416-430.	1.5	70
64	Leukemia Inhibitory Factor Enhances Formation of Germ Cell Colonies in Neonatal Mouse Testis Culture1. Biology of Reproduction, 2007, 76, 55-62.	2.7	69
65	Improved Serum- and Feeder-Free Culture of Mouse Germline Stem Cells1. Biology of Reproduction, 2014, 91, 88.	2.7	69
66	Histone chaperone CAF-1 mediates repressive histone modifications to protect preimplantation mouse embryos from endogenous retrotransposons. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14641-14646.	7.1	68
67	Analysis of CpG islands of trophoblast giant cells by restriction landmark genomic scanning. Genesis, 1998, 22, 132-140.	2.1	66
68	Single-step generation of rabbits carrying a targeted allele of the tyrosinase gene using CRISPR/Cas9. Experimental Animals, 2015, 64, 31-37.	1.1	66
69	Myc/Mycn-mediated glycolysis enhances mouse spermatogonial stem cell self-renewal. Genes and Development, 2016, 30, 2637-2648.	5.9	66
70	A Simple and Robust Method for Establishing Homogeneous Mouse Epiblast Stem Cell Lines by Wnt Inhibition. Stem Cell Reports, 2015, 4, 744-757.	4.8	65
71	Genome Editing in Mouse Spermatogonial Stem Cell Lines Using TALEN and Double-Nicking CRISPR/Cas9. Stem Cell Reports, 2015, 5, 75-82.	4.8	65
72	A non-mosaic transchromosomic mouse model of Down syndrome carrying the long arm of human chromosome 21. ELife, 2020, 9, .	6.0	65

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73	Reduced fertility of mouse epididymal sperm lacking Prss21/Tesp5 is rescued by sperm exposure to uterine microenvironment. Genes To Cells, 2008, 13, 1001-1013.	1.2	64
74	Acrosin is essential for sperm penetration through the zona pellucida in hamsters. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2513-2518.	7.1	64
75	Basic FGF and Activin/Nodal but not LIF signaling sustain undifferentiated status of rabbit embryonic stem cells. Experimental Cell Research, 2009, 315, 2033-2042.	2.6	63
76	Differential Developmental Ability of Embryos Cloned from Tissue-Specific Stem Cells. Stem Cells, 2007, 25, 1279-1285.	3.2	62
77	Testis tissue explantation cures spermatogenic failure in c-Kit ligand mutant mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16934-16938.	7.1	61
78	Generation of Functional Oocytes and Spermatids from Fetal Primordial Germ Cells after Ectopic Transplantation in Adult Mice. Biology of Reproduction, 2011, 84, 631-638.	2.7	60
79	Oligoâ€asthenoâ€teratozoospermia in mice lacking <scp>ORP</scp>4, a sterolâ€binding protein in the OSBPâ€related protein family. Genes To Cells, 2014, 19, 13-27.	1.2	60
80	Adenovirus-mediated gene delivery into mouse spermatogonial stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2596-2601.	7.1	58
81	RNA sequencing-based identification of aberrant imprinting in cloned mice. Human Molecular Genetics, 2014, 23, 992-1001.	2.9	57
82	A heterozygous mutation of <i>GALNTL5</i> affects male infertility with impairment of sperm motility. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1120-1125.	7.1	57
83	High-Yield Superovulation in Adult Mice by Anti-Inhibin Serum Treatment Combined with Estrous Cycle Synchronization1. Biology of Reproduction, 2016, 94, 21.	2.7	56
84	Stable embryonic stem cell lines in rabbits: potential small animal models for human research. Reproductive BioMedicine Online, 2008, 17, 706-715.	2.4	55
85	Regulation of pluripotency in male germline stem cells by Dmrt1. Genes and Development, 2013, 27, 1949-1958.	5.9	54
86	Loss of H3K27me3 imprinting in the Sfmbt2 miRNA cluster causes enlargement of cloned mouse placentas. Nature Communications, 2020, 11, 2150.	12.8	54
87	Do cloned mammals skip a reprogramming step?. Nature Biotechnology, 2004, 22, 25-26.	17.5	53
88	Birth of mice produced by germ cell nuclear transfer. Genesis, 2005, 41, 81-86.	1.6	52
89	Variation in Gene Expression and Aberrantly Regulated Chromosome Regions in Cloned Mice1. Biology of Reproduction, 2005, 73, 1302-1311.	2.7	52
90	Neurological manifestations of knockout mice with Î²-galactosidase deficiency. Brain and Development, 1997, 19, 19-20.	1.1	51

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91	Ras Mediates Effector Pathways Responsible for Pre-B Cell Survival, Which Is Essential for the Developmental Progression to the Late Pre-B Cell Stage. Journal of Experimental Medicine, 2000, 192, 171-182.	8.5	49
92	Dynamic rearrangement of telomeres during spermatogenesis in mice. Developmental Biology, 2005, 281, 196-207.	2.0	48
93	Rapid detection of Pseudomonas aeruginosa in mouse feces by colorimetric loop-mediated isothermal amplification. Journal of Microbiological Methods, 2010, 81, 247-252.	1.6	48
94	Complementary Critical Functions of Zfy1 and Zfy2 in Mouse Spermatogenesis and Reproduction. PLoS Genetics, 2017, 13, e1006578.	3.5	47
95	MIWI2 as an Effector of DNA Methylation and Gene Silencing in Embryonic Male Germ Cells. Cell Reports, 2016, 16, 2819-2828.	6.4	46
96	Trichostatin A specifically improves the aberrant expression of transcription factor genes in embryos produced by somatic cell nuclear transfer. Scientific Reports, 2015, 5, 10127.	3.3	45
97	Reprogramming of the histone H3.3 landscape in the early mouse embryo. Nature Structural and Molecular Biology, 2021, 28, 38-49.	8.2	45
98	Anchorage-Independent Growth of Mouse Male Germline Stem Cells In Vitro1. Biology of Reproduction, 2006, 74, 522-529.	2.7	44
99	Biogenesis of sperm acrosome is regulated by pre-mRNA alternative splicing of Acrbp in the mouse. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3696-E3705.	7.1	44
100	The Rodent-Specific MicroRNA Cluster within the Sfmbt2 Gene Is Imprinted and Essential for Placental Development. Cell Reports, 2017, 19, 949-956.	6.4	44
101	Naive-like Conversion Overcomes the Limited Differentiation Capacity of Induced Pluripotent Stem Cells. Journal of Biological Chemistry, 2013, 288, 26157-26166.	3.4	43
102	A High-Speed Congenic Strategy Using First-Wave Male Germ Cells. PLoS ONE, 2009, 4, e4943.	2.5	42
103	The Mouse Resources at the RIKEN BioResource Center. Experimental Animals, 2009, 58, 85-96.	1.1	42
104	Paternal knockout of <i>Slc38a4</i> /SNAT4 causes placental hypoplasia associated with intrauterine growth restriction in mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21047-21053.	7.1	42
105	Heritable Imprinting Defect Caused by Epigenetic Abnormalities in Mouse Spermatogonial Stem Cells1. Biology of Reproduction, 2009, 80, 518-527.	2.7	41
106	Human NK cell development in hIL-7 and hIL-15 knockin NOD/SCID/IL2rgKO mice. Life Science Alliance, 2019, 2, e201800195.	2.8	41
107	Production of knockout mice by gene targeting in multipotent germline stem cells. Developmental Biology, 2007, 312, 344-352.	2.0	40
108	Activity of a Sperm-Borne Oocyte-Activating Factor in Spermatozoa and Spermatogenic Cells from Cynomolgus Monkeys and Its Localization after Oocyte Activation1. Biology of Reproduction, 2001, 65, 351-357.	2.7	39

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109	Tissue-specific distribution of donor mitochondrial DNA in cloned mice produced by somatic cell nuclear transfer. Genesis, 2004, 39, 79-83.	1.6	38
110	Decreased Matrix Metalloproteinase Activity in the Kidneys of Hereditary Nephrotic Mice (ICGN) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.8	36
111	Microinsemination and Nuclear Transfer Using Male Germ Cells. International Review of Cytology, 2005, 246, 189-229.	6.2	35
112	Histone H3 Methylated at Arginine 17 Is Essential for Reprogramming the Paternal Genome in Zygotes. Cell Reports, 2017, 20, 2756-2765.	6.4	35
113	Differential development of rabbit embryos following microinsemination with sperm and spermatids. Molecular Reproduction and Development, 2005, 72, 411-417.	2.0	34
114	Resistin-Like Molecule Î² Is Abundantly Expressed in Foam Cells and Is Involved in Atherosclerosis Development. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1986-1993.	2.4	34
115	Induction of DNA Methylation by Artificial piRNA Production in Male Germ Cells. Current Biology, 2015, 25, 901-906.	3.9	34
116	The Novel Dominant Mutation Dspd Leads to a Severe Spermiogenesis Defect in Mice1. Biology of Reproduction, 2004, 70, 1213-1221.	2.7	33
117	Chorioallantoic placenta defects in cloned mice. Biochemical and Biophysical Research Communications, 2006, 349, 106-114.	2.1	33
118	Efficient Production of Offspring from Japanese Wild-Derived Strains of Mice (Mus musculus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 1-7.	2.7	33
119	EPC1/TIP60-Mediated Histone Acetylation Facilitates Spermiogenesis in Mice. Molecular and Cellular Biology, 2017, 37, .	2.3	33
120	Transforming growth factor-Î²1 mediated up-regulation of lysyl oxidase in the kidneys of hereditary nephrotic mouse with chronic renal fibrosis. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2005, 447, 859-868.	2.8	32
121	Development of lysosomal storage in mice with targeted disruption of the Î²-galactosidase gene: a model of human GM1-gangliosidosis. Brain and Development, 2001, 23, 379-384.	1.1	31
122	Paternal Expression of a Novel Imprinted Gene, Peg12/Frat3, in the Mouse 7C Region Homologous to the Praderâ€"Willi Syndrome Region. Biochemical and Biophysical Research Communications, 2002, 290, 403-408.	2.1	31
123	Molecular Identification of t: Vps52 Promotes Pluripotential Cell Differentiation through Cellâ€"Cell Interactions. Cell Reports, 2012, 2, 1363-1374.	6.4	31
124	The Arf GAP SMAP2 is necessary for organized vesicle budding from the trans-Golgi network and subsequent acrosome formation in spermiogenesis. Molecular Biology of the Cell, 2013, 24, 2633-2644.	2.1	31
125	High Osmolality Vitrification: A New Method for the Simple and Temperature-Permissive Cryopreservation of Mouse Embryos. PLoS ONE, 2013, 8, e49316.	2.5	31
126	Hereditary Nephrotic Syndrome with Progression to Renal Failure in a Mouse Model (ICGN Strain): Clinical Study. Nephron, 1994, 68, 239-244.	1.8	30

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127	Improvement of Cumulus-free Oocyte Maturation In Vitro and Its Application to Microinsemination with Primary Spermatocytes in Mice. Journal of Reproduction and Development, 2006, 52, 239-248.	1.4	30
128	The Effect on Intracytoplasmic Sperm Injection Outcome of Genotype, Male Germ Cell Stage and Freeze-Thawing in Mice. PLoS ONE, 2010, 5, e11062.	2.5	29
129	Devising Assisted Reproductive Technologies for Wild-Derived Strains of Mice: 37 Strains from Five Subspecies of Mus musculus. PLoS ONE, 2014, 9, e114305.	2.5	29
130	Telomere shortening by transgenerational transmission of TNF-Î±-induced TERRA via ATF7. Nucleic Acids Research, 2019, 47, 283-298.	14.5	29
131	Formation of spermatogonia and fertile oocytes in golden hamsters requires piRNAs. Nature Cell Biology, 2021, 23, 992-1001.	10.3	29
132	20.ALPHA.-Hydroxysteroid Dehydrogenase Activity in Rat Placenta.. Endocrine Journal, 1993, 40, 673-681.	1.6	28
133	SCID-bg mice as xenograft recipients. Laboratory Animals, 1997, 31, 163-168.	1.0	28
134	Fertilization of Oocytes and Birth of Normal Pups Following Intracytoplasmic Injection with Spermatids in Mastomys (Praomys coucha)1. Biology of Reproduction, 2003, 68, 1821-1827.	2.7	28
135	Pregnancy by the tubal transfer of embryos developed after injection of round spermatids into oocyte cytoplasm of the cynomolgus monkey (Macaca fascicularis). Human Reproduction, 2003, 18, 1273-1280.	0.9	28
136	InÂVivo Genetic Manipulation of Spermatogonial Stem Cells and Their Microenvironment by Adeno-Associated Viruses. Stem Cell Reports, 2018, 10, 1551-1564.	4.8	28
137	Understanding the X chromosome inactivation cycle in mice. Epigenetics, 2014, 9, 204-211.	2.7	27
138	The Developmental Ability of Vitrified Oocytes from Different Mouse Strains Assessed by Parthenogenetic Activation and Intracytoplasmic Sperm Injection. Journal of Reproduction and Development, 2007, 53, 1199-1206.	1.4	26
139	t-SNARE Syntaxin2 (STX2) Is Implicated in Intracellular Transport of Sulfoglycolipids During Meiotic Prophase in Mouse Spermatogenesis. Biology of Reproduction, 2013, 88, 141-141.	2.7	26
140	The golden (Syrian) hamster as a model for the study of reproductive biology: Past, present, and future. Reproductive Medicine and Biology, 2019, 18, 34-39.	2.4	26
141	Equilibrium Vitrification of Mouse Embryos1. Biology of Reproduction, 2010, 82, 444-450.	2.7	25
142	Impaired active DNA demethylation in zygotes generated by round spermatid injection. Human Reproduction, 2015, 30, 1178-1187.	0.9	25
143	Microinsemination with First-Wave Round Spermatids from Immature Male Mice. Journal of Reproduction and Development, 2004, 50, 131-137.	1.4	25
144	Functional assessment of centrosomes of spermatozoa and spermatids microinjected into rabbit oocytes. Molecular Reproduction and Development, 2009, 76, 270-277.	2.0	24

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145	RNAi-mediated Knockdown of <i>Xist</i> Does Not Rescue the Impaired Development of Female Cloned Mouse Embryos. Journal of Reproduction and Development, 2013, 59, 231-237.	1.4	24
146	A Missense Mutation in Rev7 Disrupts Formation of PolÎ¶, Impairing Mouse Development and Repair of Genotoxic Agent-induced DNA Lesions. Journal of Biological Chemistry, 2014, 289, 3811-3824.	3.4	24
147	Chromosomes of mouse primary spermatocytes undergo meiotic divisions after incorporation into homologous immature oocytes. Zygote, 1997, 5, 177-182.	1.1	23
148	Abnormalities of Extracellular Matrices and Transforming Growth Factor .BETA.1 Localization in the Kidney of the Hereditary Nephrotic Mice (ICGN Strain).. Journal of Veterinary Medical Science, 1999, 61, 769-776.	0.9	23
149	Microinsemination, nuclear transfer, and cytoplasmic transfer: the application of new reproductive engineering techniques to mouse genetics. Mammalian Genome, 2001, 12, 803-812.	2.2	23
150	Cytoplasmic Asters Are Required for Progression Past the First Cell Cycle in Cloned Mouse Embryos1. Biology of Reproduction, 2004, 71, 2022-2028.	2.7	23
151	Efficient production of large deletion and gene fragment knock-in mice mediated by genome editing with Cas9-mouse Cdt1 in mouse zygotes. Methods, 2021, 191, 23-31.	3.8	23
152	Intracytoplasmic sperm injection induces transcriptome perturbation without any transgenerational effect. Biochemical and Biophysical Research Communications, 2011, 410, 282-288.	2.1	22
153	Autologous transplantation of spermatogonial stem cells restores fertility in congenitally infertile mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7837-7844.	7.1	22
154	Sperm nuclear envelope: breakdown of intrinsic envelope and<i>de novo</i>formation in hamster oocytes or eggs. Zygote, 1997, 5, 35-46.	1.1	21
155	Correlation of Functional and Ultrastructural Abnormalities of Mitochondria in Mouse Heart Carrying a Pathogenic Mutant mtDNA with a 4696-bp Deletion. Biochemical and Biophysical Research Communications, 2001, 288, 901-907.	2.1	21
156	A Novel Mouse Model for Invariant NKT Cell Study. Journal of Immunology, 2007, 179, 3888-3895.	0.8	21
157	Effects of Akt signaling on nuclear reprogramming. Genes To Cells, 2008, 13, 1269-1277.	1.2	21
158	Mouse Cloning Using a Drop of Peripheral Blood1. Biology of Reproduction, 2013, 89, 24.	2.7	21
159	ROS amplification drives mouse spermatogonial stem cell self-renewal. Life Science Alliance, 2019, 2, e201900374.	2.8	21
160	An electron microscopic study of glomerular lesions in hereditary nephrotic mice (ICGN strain). Virchows Archiv A, Pathological Anatomy and Histopathology, 1990, 417, 223-228.	1.4	20
161	Affinity binding of hamster oviductin to spermatozoa and its influence on in vitro fertilization. Molecular Reproduction and Development, 1994, 39, 322-327.	2.0	20
162	Development of Embryos in Superovulated Guinea Pigs following Active Immunization against the Inhibin .ALPHA.-Subunit.. Endocrine Journal, 2000, 47, 451-459.	1.6	20

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163	Optimization of a Protocol for Cryopreservation of Mouse Spermatozoa Using Cryotubes. Journal of Reproduction and Development, 2012, 58, 156-161.	1.4	20
164	Evolution of Glomerular Lesions in Nephrotic ICGN Mice: Serial Biopsy Study with Electron Microscopy.. Journal of Veterinary Medical Science, 1991, 53, 513-515.	0.9	19
165	Sex-Reversed Somatic Cell Cloning in the Mouse. Journal of Reproduction and Development, 2009, 55, 566-569.	1.4	19
166	Tenc1-Deficient Mice Develop Glomerular Disease in a Strain-Specific Manner. Nephron Experimental Nephrology, 2013, 123, 22-33.	2.2	19
167	Generation of Cloned Mice from Adult Neurons by Direct Nuclear Transfer1. Biology of Reproduction, 2015, 92, 81.	2.7	19
168	One-step generation of multiple transgenic mouse lines using an improved Pronuclear Injection-based Targeted Transgenesis (i-PITT). BMC Genomics, 2015, 16, 274.	2.8	19
169	An interplay of NOX1-derived ROS and oxygen determines the spermatogonial stem cell self-renewal efficiency under hypoxia. Genes and Development, 2021, 35, 250-260.	5.9	19
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