

Masahito Ikawa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2327147/publications.pdf>

Version: 2024-02-01

332
papers

25,762
citations

6250

80
h-index

8384

147
g-index

357
all docs

357
docs citations

357
times ranked

31080
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR/Cas9-mediated genome editing reveals 12 testis-enriched genes dispensable for male fertility in mice. <i>Asian Journal of Andrology</i> , 2022, 24, 266.	0.8	9
2	The motor domain of testis-enriched kinesin KIF9 is essential for its localization in the mouse flagellum. <i>Experimental Animals</i> , 2022, 71, 46-52.	0.7	2
3	C2cd6-encoded CatSper1, targets sperm calcium channel to Ca ²⁺ signaling domains in the flagellar membrane. <i>Cell Reports</i> , 2022, 38, 110226.	2.9	19
4	Loss of the N-acetylgalactosamine side chain of the GPI-anchor impairs bone formation and brain functions and accelerates the prion disease pathology. <i>Journal of Biological Chemistry</i> , 2022, 298, 101720.	1.6	8
5	Kastor and Polluks polypeptides encoded by a single gene locus cooperatively regulate VDAC and spermatogenesis. <i>Nature Communications</i> , 2022, 13, 1071.	5.8	14
6	The Mechanism of Pertussis Cough Revealed by the Mouse-Coughing Model. <i>MBio</i> , 2022, 13, e0319721.	1.8	8
7	Loss of mouse Y chromosome gene <i>Zfy1</i> and <i>Zfy2</i> leads to spermatogenesis impairment, sperm defects, and infertility. <i>Biology of Reproduction</i> , 2022, 106, 1312-1326.	1.2	6
8	Sperm membrane proteins DCST1 and DCST2 are required for sperm-egg interaction in mice and fish. <i>Communications Biology</i> , 2022, 5, 332.	2.0	21
9	Multiple tolerance checkpoints restrain affinity maturation of B cells expressing the germline precursor of a lupus patient-derived anti-dsDNA antibody in knock-in mice. <i>International Immunology</i> , 2022, 34, 207-223.	1.8	0
10	Aspects of the Complement System in New Era of Xenotransplantation. <i>Frontiers in Immunology</i> , 2022, 13, 860165.	2.2	8
11	Proteolysis in Reproduction: Lessons From Gene-Modified Organism Studies. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	8
12	TULP2 deletion mice exhibit abnormal outer dense fiber structure and male infertility. <i>Reproductive Medicine and Biology</i> , 2022, 21, .	1.0	3
13	Trim41 is required to regulate chromosome axis protein dynamics and meiosis in male mice. <i>PLoS Genetics</i> , 2022, 18, e1010241.	1.5	1
14	Establishment of mouse model of inherited PIGO deficiency and therapeutic potential of AAV-based gene therapy. <i>Nature Communications</i> , 2022, 13, .	5.8	4
15	IRGC1, a testis-enriched immunity related GTPase, is important for fibrous sheath integrity and sperm motility in mice. <i>Developmental Biology</i> , 2022, 488, 104-113.	0.9	4
16	The testis-specific E3 ubiquitin ligase RNF133 is required for fecundity in mice. <i>BMC Biology</i> , 2022, 20, .	1.7	9
17	<i>NAIL</i> : an evolutionarily conserved lncRNA essential for licensing coordinated activation of p38 and NF- κ B in colitis. <i>Gut</i> , 2021, 70, 1857-1871.	6.1	41
18	Astrocytic cAMP modulates memory via synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	39

#	ARTICLE	IF	CITATIONS
19	ARMC12 regulates spatiotemporal mitochondrial dynamics during spermiogenesis and is required for male fertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	39
20	Protocol for isolation of spermatids from mouse testes. <i>STAR Protocols</i> , 2021, 2, 100254.	0.5	5
21	Cooperation-based sperm clusters mediate sperm oviduct entry and fertilization. <i>Protein and Cell</i> , 2021, 12, 810-817.	4.8	14
22	Identification and characterization of the antigen recognized by the germ cell mAb TRA98 using a human comprehensive wet protein array. <i>Genes To Cells</i> , 2021, 26, 180-189.	0.5	8
23	A novel tissue specific alternative splicing variant mitigates phenotypes in <i>Ets2</i> frame-shift mutant models. <i>Scientific Reports</i> , 2021, 11, 8297.	1.6	8
24	Thiazoline-related innate fear stimuli orchestrate hypothermia and anti-hypoxia via sensory TRPA1 activation. <i>Nature Communications</i> , 2021, 12, 2074.	5.8	14
25	KCTD19 and its associated protein ZFP541 are independently essential for meiosis in male mice. <i>PLoS Genetics</i> , 2021, 17, e1009412.	1.5	21
26	Endometrial receptivity and implantation require uterine BMP signaling through an ACVR2A-SMAD1/SMAD5 axis. <i>Nature Communications</i> , 2021, 12, 3386.	5.8	38
27	Lens-specific conditional knockout of tropomyosin 1 gene in mice causes abnormal fiber differentiation and lens opacity. <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111492.	2.2	2
28	Intergenerational effect of short-term spaceflight in mice. <i>IScience</i> , 2021, 24, 102773.	1.9	7
29	Precise CAG repeat contraction in a Huntington's Disease mouse model is enabled by gene editing with SpCas9-NG. <i>Communications Biology</i> , 2021, 4, 771.	2.0	20
30	RanGTP and the actin cytoskeleton keep paternal and maternal chromosomes apart during fertilization. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	15
31	SPATA33 localizes calcineurin to the mitochondria and regulates sperm motility in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	20
32	Rubicon prevents autophagic degradation of GATA4 to promote Sertoli cell function. <i>PLoS Genetics</i> , 2021, 17, e1009688.	1.5	13
33	Uterine Epithelial LIF Receptors Contribute to Implantation Chamber Formation in Blastocyst Attachment. <i>Endocrinology</i> , 2021, 162, .	1.4	9
34	A sublethal ATP11A mutation associated with neurological deterioration causes aberrant phosphatidylcholine flipping in plasma membranes. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	25
35	The conserved fertility factor SPACA4/Bouncer has divergent modes of action in vertebrate fertilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	27
36	FAM209 associates with DPY19L2, and is required for sperm acrosome biogenesis and fertility in mice. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	15

#	ARTICLE	IF	CITATIONS
37	LRRC23 is a conserved component of the radial spoke that is necessary for sperm motility and male fertility in mice. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	17
38	MORC3, a novel MIWI2 association partner, as an epigenetic regulator of piRNA dependent transposon silencing in male germ cells. <i>Scientific Reports</i> , 2021, 11, 20472.	1.6	6
39	FAM71F1 binds to RAB2A and RAB2B and is essential for acrosome formation and male fertility in mice. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	10
40	Sperm IZUMO1 Is Required for Binding Preceding Fusion With Oolemma in Mice and Rats. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 810118.	1.8	10
41	Age-associated alteration of female reproductive morphology and fertility in mice. <i>Journal of Reproductive Immunology</i> , 2021, 148, 103411.	0.8	0
42	The testis-specific serine proteases PRSS44, PRSS46, and PRSS54 are dispensable for male mouse fertility. <i>Biology of Reproduction</i> , 2020, 102, 84-91.	1.2	27
43	Genetic mutation of <i>Frem3</i> does not cause Fraser syndrome in mice. <i>Experimental Animals</i> , 2020, 69, 104-109.	0.7	3
44	PITHD1 is a proteasome-interacting protein essential for male fertilization. <i>Journal of Biological Chemistry</i> , 2020, 295, 1658-1672.	1.6	8
45	Tesmin, Metallothionein-Like 5, is Required for Spermatogenesis in Mice. <i>Biology of Reproduction</i> , 2020, 102, 975-983.	1.2	16
46	Evidence for lysosomal biogenesis proteome defect and impaired autophagy in preeclampsia. <i>Autophagy</i> , 2020, 16, 1771-1785.	4.3	62
47	Mouse t-complex protein 11 is important for progressive motility in sperm. <i>Biology of Reproduction</i> , 2020, 102, 852-862.	1.2	15
48	Genetic loss of importin $\beta 4$ causes abnormal sperm morphology and impacts on male fertility in mouse. <i>FASEB Journal</i> , 2020, 34, 16224-16242.	0.2	15
49	PHF7 Modulates BRDT Stability and Histone-to-Protamine Exchange during Spermiogenesis. <i>Cell Reports</i> , 2020, 32, 107950.	2.9	23
50	Diphtheria toxin-mediated transposon-driven poly (A) trapping efficiently disrupts transcriptionally silent genes in embryonic stem cells. <i>Genesis</i> , 2020, 58, e23386.	0.8	0
51	CRISPR/CAS9-mediated amino acid substitution reveals phosphorylation residues of RSPH6A are not essential for male fertility in mice. <i>Biology of Reproduction</i> , 2020, 103, 912-914.	1.2	5
52	Large-scale discovery of male reproductive tract-specific genes through analysis of RNA-seq datasets. <i>BMC Biology</i> , 2020, 18, 103.	1.7	39
53	PGAP6, a GPI-specific phospholipase A2, has narrow substrate specificity against GPI-anchored proteins. <i>Journal of Biological Chemistry</i> , 2020, 295, 14501-14509.	1.6	12
54	CIB4 is essential for the haploid phase of spermatogenesis in mice. <i>Biology of Reproduction</i> , 2020, 103, 235-243.	1.2	8

#	ARTICLE	IF	CITATIONS
55	Sperm proteins SOF1, TMEM95, and SPACA6 are required for sperm-ooocyte fusion in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11493-11502.	3.3	111
56	Tmprss12 is required for sperm motility and uterotubal junction migration in mice. <i>Biology of Reproduction</i> , 2020, 103, 254-263.	1.2	19
57	NELL2-mediated lumicrine signaling through OVCH2 is required for male fertility. <i>Science</i> , 2020, 368, 1132-1135.	6.0	63
58	Knockout of family with sequence similarity 170 member A (Fam170a) causes male subfertility, while Fam170b is dispensable in mice. <i>Biology of Reproduction</i> , 2020, 103, 205-222.	1.2	8
59	Reduction in BDNF from Inefficient Precursor Conversion Influences Nest Building and Promotes Depressive-Like Behavior in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3984.	1.8	12
60	CRISPR/Cas9-based genome editing in mice uncovers 13 testis- or epididymis-enriched genes individually dispensable for male reproduction. <i>Biology of Reproduction</i> , 2020, 103, 183-194.	1.2	21
61	CRISPR/Cas9-mediated genome-edited mice reveal 10 testis-enriched genes are dispensable for male fecundity. <i>Biology of Reproduction</i> , 2020, 103, 195-204.	1.2	28
62	Analysis of the sperm flagellar axoneme using gene-modified mice. <i>Experimental Animals</i> , 2020, 69, 374-381.	0.7	12
63	Identification of transmembrane protein 168 mutation in familial Brugada syndrome. <i>FASEB Journal</i> , 2020, 34, 6399-6417.	0.2	6
64	Bi-allelic DNAH8 Variants Lead to Multiple Morphological Abnormalities of the Sperm Flagella and Primary Male Infertility. <i>American Journal of Human Genetics</i> , 2020, 107, 330-341.	2.6	111
65	Testis-enriched kinesin KIF9 is important for progressive motility in mouse spermatozoa. <i>FASEB Journal</i> , 2020, 34, 5389-5400.	0.2	27
66	IgSF11 regulates osteoclast differentiation through association with the scaffold protein PSD-95. <i>Bone Research</i> , 2020, 8, 5.	5.4	16
67	Nexin-Dynein regulatory complex component DRC7 but not FBXL13 is required for sperm flagellum formation and male fertility in mice. <i>PLoS Genetics</i> , 2020, 16, e1008585.	1.5	28
68	Structural insights into tetraspanin CD9 function. <i>Nature Communications</i> , 2020, 11, 1606.	5.8	114
69	Spermatozoa lacking Fertilization Influencing Membrane Protein (FIMP) fail to fuse with oocytes in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9393-9400.	3.3	74
70	Knockout of serine-rich single-pass membrane protein 1 (Ssmem1) causes globozoospermia and sterility in male mice. <i>Biology of Reproduction</i> , 2020, 103, 244-253.	1.2	11
71	Prss55 but not Prss51 is required for male fertility in mice. <i>Biology of Reproduction</i> , 2020, 103, 223-234.	1.2	22
72	CRISPR/Cas9-Mediated Genome Editing Reveals Oosp Family Genes are Dispensable for Female Fertility in Mice. <i>Cells</i> , 2020, 9, 821.	1.8	9

#	ARTICLE	IF	CITATIONS
73	RNA-binding protein Ptbp1 regulates alternative splicing and transcriptome in spermatogonia and maintains spermatogenesis in concert with Nanos3. <i>Journal of Reproduction and Development</i> , 2020, 66, 459-467.	0.5	3
74	DGK β Knock-Out Mice Show Impairments in Cerebellar Motor Coordination, LTD, and the Dendritic Development of Purkinje Cells through the Activation of PKC δ . <i>ENeuro</i> , 2020, 7, ENEURO.0319-19.2020.	0.9	11
75	Protocadherin-7 contributes to maintenance of bone homeostasis through regulation of osteoclast multinucleation. <i>BMB Reports</i> , 2020, 53, 472-477.	1.1	8
76	Chimeric analysis with newly established EGFP/DsRed2-tagged ES cells identify HYDIN as essential for spermiogenesis in mice. <i>Experimental Animals</i> , 2019, 68, 25-34.	0.7	14
77	Developmental analyses of mouse embryos and adults using a non-overlapping tracing system for all three germ layers. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	7
78	Identification of multiple male reproductive tract-specific proteins that regulate sperm migration through the oviduct in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18498-18506.	3.3	48
79	Male mice, caged in the International Space Station for 35 days, sire healthy offspring. <i>Scientific Reports</i> , 2019, 9, 13733.	1.6	24
80	Glycerol kinase 2 is essential for proper arrangement of crescent-like mitochondria to form the mitochondrial sheath during mouse spermatogenesis. <i>Journal of Reproduction and Development</i> , 2019, 65, 155-162.	0.5	33
81	CRISPR/Cas9-mediated genome editing reveals 30 testis-enriched genes dispensable for male fertility in mice. <i>Biology of Reproduction</i> , 2019, 101, 501-511.	1.2	81
82	Physiological function of seminal vesicle secretions on male fecundity. <i>Reproductive Medicine and Biology</i> , 2019, 18, 241-246.	1.0	20
83	Calaxin is required for cilia-driven determination of vertebrate laterality. <i>Communications Biology</i> , 2019, 2, 226.	2.0	26
84	PTBP1 contributes to spermatogenesis through regulation of proliferation in spermatogonia. <i>Journal of Reproduction and Development</i> , 2019, 65, 37-46.	0.5	11
85	Nine genes abundantly expressed in the epididymis are not essential for male fecundity in mice. <i>Andrology</i> , 2019, 7, 644-653.	1.9	35
86	Mice with Calr mutations homologous to human CALR mutations only exhibit mild thrombocytosis. <i>Blood Cancer Journal</i> , 2019, 9, 42.	2.8	15
87	GPAT2 is required for piRNA biogenesis, transposon silencing, and maintenance of spermatogonia in mice. <i>Biology of Reproduction</i> , 2019, 101, 248-256.	1.2	11
88	<i>Lvrn</i> expression is not critical for mouse placentation. <i>Journal of Reproduction and Development</i> , 2019, 65, 239-244.	0.5	1
89	Polarized PtdIns(4,5)P ₂ distribution mediated by a voltage-sensing phosphatase (VSP) regulates sperm motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26020-26028.	3.3	17
90	Cutting Edge: Role of MASP-3 in the Physiological Activation of Factor D of the Alternative Complement Pathway. <i>Journal of Immunology</i> , 2019, 203, 1411-1416.	0.4	35

#	ARTICLE	IF	CITATIONS
91	Rap1 regulates hematopoietic stem cell survival and affects oncogenesis and response to chemotherapy. <i>Nature Communications</i> , 2019, 10, 5349.	5.8	37
92	Seminal vesicle secretory protein 7, PATE4, is not required for sperm function but for copulatory plug formation to ensure fecundity. <i>Biology of Reproduction</i> , 2019, 100, 1035-1045.	1.2	19
93	USP15 Participates in Hepatitis C Virus Propagation through Regulation of Viral RNA Translation and Lipid Droplet Formation. <i>Journal of Virology</i> , 2019, 93, .	1.5	17
94	An azoospermic factor gene, <i>Ddx3y</i> and its paralog, <i>Ddx3x</i> are dispensable in germ cells for male fertility. <i>Journal of Reproduction and Development</i> , 2019, 65, 121-128.	0.5	36
95	CKAP4, a DKK1 Receptor, Is a Biomarker in Exosomes Derived from Pancreatic Cancer and a Molecular Target for Therapy. <i>Clinical Cancer Research</i> , 2019, 25, 1936-1947.	3.2	91
96	Ventricular subventricular zone fractones are speckled basement membranes that function as a neural stem cell niche. <i>Molecular Biology of the Cell</i> , 2019, 30, 56-68.	0.9	20
97	Tropomyosin 2 heterozygous knockout in mice using CRISPR-Cas9 system displays the inhibition of injury-induced epithelial-mesenchymal transition, and lens opacity. <i>Mechanisms of Ageing and Development</i> , 2018, 171, 24-30.	2.2	19
98	Transgenic mouse lines expressing the 3xFLAG-dCas9 protein for enhancer analysis. <i>Genes To Cells</i> , 2018, 23, 318-325.	0.5	9
99	Sperm-borne phospholipase C zeta-1 ensures monospermic fertilization in mice. <i>Scientific Reports</i> , 2018, 8, 1315.	1.6	92
100	Factors controlling sperm migration through the oviduct revealed by gene-modified mouse models. <i>Experimental Animals</i> , 2018, 67, 91-104.	0.7	43
101	MARCKSL1 Regulates Spine Formation in the Amygdala and Controls the Hypothalamic-Pituitary-Adrenal Axis and Anxiety-Like Behaviors. <i>EBioMedicine</i> , 2018, 30, 62-73.	2.7	6
102	Intravesicular Acidification Regulates Lipopolysaccharide Inflammation and Tolerance through TLR4 Trafficking. <i>Journal of Immunology</i> , 2018, 200, 2798-2808.	0.4	19
103	Revolutionizing male fertility factor research in mice by using the genome editing tool CRISPR/Cas9. <i>Reproductive Medicine and Biology</i> , 2018, 17, 3-10.	1.0	28
104	Impaired male fertility and abnormal epididymal epithelium differentiation in mice lacking CRISP1 and CRISP4. <i>Scientific Reports</i> , 2018, 8, 17531.	1.6	28
105	mDia1/3 generate cortical F-actin meshwork in Sertoli cells that is continuous with contractile F-actin bundles and indispensable for spermatogenesis and male fertility. <i>PLoS Biology</i> , 2018, 16, e2004874.	2.6	19
106	Infection with flaviviruses requires BCLXL for cell survival. <i>PLoS Pathogens</i> , 2018, 14, e1007299.	2.1	28
107	Co-expression of sperm membrane proteins CMTM2A and CMTM2B is essential for ADAM3 localization and male fertility in mice. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	24
108	Radial spoke head 6 homolog a is required for sperm flagellum formation and male fertility in mice. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	75

#	ARTICLE	IF	CITATIONS
109	New Insights into the Molecular Events of Mammalian Fertilization. Trends in Biochemical Sciences, 2018, 43, 818-828.	3.7	25
110	Trophoblast-Specific Conditional Atg7 Knockout Mice Develop Gestational Hypertension. American Journal of Pathology, 2018, 188, 2474-2486.	1.9	52
111	Engineered CRISPR-Cas9 nuclease with expanded targeting space. Science, 2018, 361, 1259-1262.	6.0	783
112	Two <i>Ckl1</i> transcripts regulated by m6A methylation code for two antagonistic kinases in the control of the circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5980-5985.	3.3	79
113	Sperm Defects. , 2018, , 276-281.		4
114	Laminin β 1 C-terminal Glu to Gln mutation induces early postimplantation lethality. Life Science Alliance, 2018, 1, e201800064.	1.3	9
115	Regulation of intestinal homeostasis by the ulcerative colitis-associated gene RNF186. Mucosal Immunology, 2017, 10, 446-459.	2.7	55
116	Testis-Specific Histone Variant H3t Gene Is Essential for Entry into Spermatogenesis. Cell Reports, 2017, 18, 593-600.	2.9	82
117	Muscle-specific deletion of BDK amplifies loss of myofibrillar protein during protein undernutrition. Scientific Reports, 2017, 7, 39825.	1.6	20
118	Proton Pump Inhibitors Decrease Soluble fms-Like Tyrosine Kinase-1 and Soluble Endoglin Secretion, Decrease Hypertension, and Rescue Endothelial Dysfunction. Hypertension, 2017, 69, 457-468.	1.3	118
119	The mechanics clarifying counterclockwise rotation in most IVF eggs in mice. Scientific Reports, 2017, 7, 43456.	1.6	2
120	New insights into the role of Jmjd3 and Utx in axial skeletal formation in mice. FASEB Journal, 2017, 31, 2252-2266.	0.2	25
121	Viable offspring after imaging of Ca ²⁺ oscillations and visualization of the cortical reaction in mouse eggs. Biology of Reproduction, 2017, 96, 563-575.	1.2	10
122	BATF2 inhibits immunopathological Th17 responses by suppressing Il23a expression during Trypanosoma cruzi infection. Journal of Experimental Medicine, 2017, 214, 1313-1331.	4.2	52
123	Placenta-specific gene manipulation using lentiviral vector and its application. Placenta, 2017, 59, S37-S43.	0.7	10
124	Vestigial-like 2 contributes to normal muscle fiber type distribution in mice. Scientific Reports, 2017, 7, 7168.	1.6	42
125	Suppression of HBV replication by the expression of nickase- and nuclease dead-Cas9. Scientific Reports, 2017, 7, 6122.	1.6	19
126	Modification of single-nucleotide polymorphism in a fully humanized CYP3A mouse by genome editing technology. Scientific Reports, 2017, 7, 15189.	1.6	24

#	ARTICLE	IF	CITATIONS
127	A delayed sperm penetration of cumulus layers by disruption of acrosin gene in rats. <i>Biology of Reproduction</i> , 2017, 97, 61-68.	1.2	25
128	TCTE1 is a conserved component of the dynein regulatory complex and is required for motility and metabolism in mouse spermatozoa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5370-E5378.	3.3	74
129	Human Globozoospermia-Related Gene Spata16 Is Required for Sperm Formation Revealed by CRISPR/Cas9-Mediated Mouse Models. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2208.	1.8	48
130	Genome Editing in Mouse Zygotes and Embryonic Stem Cells by Introducing SgRNA/Cas9 Expressing Plasmids. <i>Methods in Molecular Biology</i> , 2017, 1630, 67-80.	0.4	17
131	Mouse spermatozoa with higher fertilization rates have thinner nuclei. <i>PeerJ</i> , 2017, 5, e3913.	0.9	10
132	Lentiviral Vector-Mediated Complementation Restored Fetal Viability but Not Placental Hyperplasia in Plac1-Deficient Mice. <i>Biology of Reproduction</i> , 2016, 94, 6.	1.2	18
133	Structural and functional insights into IZUMO1 recognition by JUNO in mammalian fertilization. <i>Nature Communications</i> , 2016, 7, 12198.	5.8	58
134	Complementary role of CNNM2 in sperm motility and Ca ²⁺ influx during capacitation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 441-446.	1.0	6
135	STING in tumor and host cells cooperatively work for NK cell-mediated tumor growth retardation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1764-1771.	1.0	66
136	A GPI processing phospholipase A2, PGAP6, modulates Nodal signaling in embryos by shedding CRIPTO. <i>Journal of Cell Biology</i> , 2016, 215, 705-718.	2.3	36
137	Ground-based assessment of JAXA mouse habitat cage unit by mouse phenotypic studies. <i>Experimental Animals</i> , 2016, 65, 175-187.	0.7	22
138	CRISPR/Cas9-mediated mutation revealed cytoplasmic tail is dispensable for IZUMO1 function and male fertility. <i>Reproduction</i> , 2016, 152, 665-672.	1.1	14
139	Generation of Hprt-disrupted rat through mouse-rat ES chimeras. <i>Scientific Reports</i> , 2016, 6, 24215.	1.6	17
140	CRISPR/Cas9 mediated genome editing in ES cells and its application for chimeric analysis in mice. <i>Scientific Reports</i> , 2016, 6, 31666.	1.6	85
141	CABYR is essential for fibrous sheath integrity and progressive motility in mouse spermatozoa. <i>Journal of Cell Science</i> , 2016, 129, 4379-4387.	1.2	36
142	Essential role of autoactivation circuitry on Aurora B-mediated H2AX-pS121 in mitosis. <i>Nature Communications</i> , 2016, 7, 12059.	5.8	40
143	Expression of a Synthetic Gene of CTDM by Transgenic Animals. <i>Transplantation Proceedings</i> , 2016, 48, 1279-1281.	0.3	2
144	Human HLA-Ev (147) Expression in Transgenic Animals. <i>Transplantation Proceedings</i> , 2016, 48, 1323-1325.	0.3	2

#	ARTICLE	IF	CITATIONS
145	Biogenesis of sperm acrosome is regulated by pre-mRNA alternative splicing of <i>Acrbp</i> in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3696-E3705.	3.3	44
146	Kidney-specific knockout of <i>Sav1</i> in the mouse promotes hyperproliferation of renal tubular epithelium through suppression of the Hippo pathway. <i>Journal of Pathology</i> , 2016, 239, 97-108.	2.1	27
147	Knockout of Cytidine Monophospho-N-Acetylneuraminic Acid (CMP-NeuAc) Hydroxylase From Porcine Endothelial Cells by a CRISPR System. <i>Transplantation Proceedings</i> , 2016, 48, 1320-1322.	0.3	0
148	Fertilization defects in sperm from <i>Cysteine-rich secretory protein 2</i> (<i>Crisp2</i>) knockout mice: implications for fertility disorders. <i>Molecular Human Reproduction</i> , 2016, 22, 240-251.	1.3	42
149	GPI-AP release in cellular, developmental, and reproductive biology. <i>Journal of Lipid Research</i> , 2016, 57, 538-545.	2.0	54
150	Behavior of Mouse Spermatozoa in the Female Reproductive Tract from Soon after Mating to the Beginning of Fertilization1. <i>Biology of Reproduction</i> , 2016, 94, 80.	1.2	108
151	The Mg^{2+} transporter <i>CNNM4</i> regulates sperm Ca^{2+} homeostasis and it is essential for reproduction. <i>Journal of Cell Science</i> , 2016, 129, 1940-9.	1.2	36
152	A Role of <i>TMEM16E</i> Carrying a Scrambling Domain in Sperm Motility. <i>Molecular and Cellular Biology</i> , 2016, 36, 645-659.	1.1	64
153	Genome engineering uncovers 54 evolutionarily conserved and testis-enriched genes that are not required for male fertility in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7704-7710.	3.3	134
154	Calreticulin is required for development of the cumulus oocyte complex and female fertility. <i>Scientific Reports</i> , 2015, 5, 14254.	1.6	41
155	Single-step generation of rabbits carrying a targeted allele of the tyrosinase gene using CRISPR/Cas9. <i>Experimental Animals</i> , 2015, 64, 31-37.	0.7	66
156	Double strand break repair by capture of retrotransposon sequences and reverse-transcribed spliced mRNA sequences in mouse zygotes. <i>Scientific Reports</i> , 2015, 5, 12281.	1.6	45
157	Calreticulin Regulates Neointima Formation and Collagen Deposition following Carotid Artery Ligation. <i>Journal of Vascular Research</i> , 2015, 52, 306-320.	0.6	16
158	Calcitonin Receptor Signaling Inhibits Muscle Stem Cells from Escaping the Quiescent State and the Niche. <i>Cell Reports</i> , 2015, 13, 302-314.	2.9	88
159	Elf5-centered transcription factor hub controls trophoblast stem cell self-renewal and differentiation through stoichiometry-sensitive shifts in target gene networks. <i>Genes and Development</i> , 2015, 29, 2435-2448.	2.7	93
160	CRISPR/Cas9-Mediated Rapid Generation of Multiple Mouse Lines Identified <i>Ccdc63</i> as Essential for Spermiogenesis. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24732-24750.	1.8	51
161	APJ Regulates Parallel Alignment of Arteries and Veins in the Skin. <i>Developmental Cell</i> , 2015, 33, 247-259.	3.1	65
162	One-step generation of multiple transgenic mouse lines using an improved Pronuclear Injection-based Targeted Transgenesis (i-PITT). <i>BMC Genomics</i> , 2015, 16, 274.	1.2	19

#	ARTICLE	IF	CITATIONS
163	Genome Editing in Mice Using CRISPR/Cas. , 2015, , 151-166.		1
164	Quantitative assessment of telomerase components in cancer cell lines. FEBS Letters, 2015, 589, 974-984.	1.3	68
165	Sperm calcineurin inhibition prevents mouse fertility with implications for male contraceptive. Science, 2015, 350, 442-445.	6.0	137
166	Sperm Postacrosomal WW Domain-Binding Protein Is Not Required for Mouse Egg Activation1. Biology of Reproduction, 2015, 93, 94.	1.2	51
167	Pluripotent Stem Cells Derived From Mouse Primordial Germ Cells by Small Molecule Compounds. Stem Cells, 2015, 33, 45-55.	1.4	27
168	A Novel Transcriptional Factor Nkapl Is a Germ Cell-Specific Suppressor of Notch Signaling and Is Indispensable for Spermatogenesis. PLoS ONE, 2015, 10, e0124293.	1.1	24
169	Advantages of using the CRISPR/Cas9 system of genome editing to investigate male reproductive mechanisms using mouse models. Asian Journal of Andrology, 2015, 17, 623.	0.8	11
170	Liver-Specific $\hat{3}$ -Glutamyl Carboxylase-Deficient Mice Display Bleeding Diathesis and Short Life Span. PLoS ONE, 2014, 9, e88643.	1.1	11
171	Feasibility for a large scale mouse mutagenesis by injecting CRISPR/Cas plasmid into zygotes. Development Growth and Differentiation, 2014, 56, 122-129.	0.6	75
172	CRISPR/Cas9-Based Genome Editing in Mice by Single Plasmid Injection. Methods in Enzymology, 2014, 546, 319-336.	0.4	54
173	Deletion of Nâ€myc downstreamâ€regulated gene 2 attenuates reactive astrogliosis and inflammatory response in a mouse model of cortical stab injury. Journal of Neurochemistry, 2014, 130, 374-387.	2.1	41
174	NUCKS Is a Positive Transcriptional Regulator of Insulin Signaling. Cell Reports, 2014, 7, 1876-1886.	2.9	38
175	GPI-Anchored Protein Complex, LY6K/TEX101, Is Required for Sperm Migration into the Oviduct and Male Fertility in Mice1. Biology of Reproduction, 2014, 90, 60.	1.2	73
176	Simple generation of albino C57BL/6J mice with G291T mutation in the tyrosinase gene by the CRISPR/Cas9 system. Mammalian Genome, 2014, 25, 327-334.	1.0	103
177	Effect of isolated AMP deaminase deficiency on skeletal muscle function. Molecular Genetics and Metabolism Reports, 2014, 1, 51-59.	0.4	11
178	Rhof promotes murine marginal zone B cell development. Nagoya Journal of Medical Science, 2014, 76, 293-305.	0.6	4
179	N-terminal truncation of Lats1 causes abnormal cell growth control and chromosomal instability. Journal of Cell Science, 2013, 126, 508-520.	1.2	38
180	Generation of mutant mice by pronuclear injection of circular plasmid expressing Cas9 and single guided RNA. Scientific Reports, 2013, 3, 3355.	1.6	370

#	ARTICLE	IF	CITATIONS
181	Neutrophil infiltration during inflammation is regulated by PIR1 via modulation of integrin activation. <i>Nature Immunology</i> , 2013, 14, 34-40.	7.0	65
182	Production of mouse pups from germline transmission-failed knockout chimeras. <i>Transgenic Research</i> , 2013, 22, 195-200.	1.3	70
183	Targeted disruption of fad24, a regulator of adipogenesis, causes pre-implantation embryonic lethality due to the growth defect at the blastocyst stage. <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 301-305.	1.0	4
184	MiR-200b and miR-429 Function in Mouse Ovulation and Are Essential for Female Fertility. <i>Science</i> , 2013, 341, 71-73.	6.0	157
185	Expression of TEX101, regulated by ACE, is essential for the production of fertile mouse spermatozoa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8111-8116.	3.3	133
186	Recruitment of cyclin G2 to promyelocytic leukemia nuclear bodies promotes dephosphorylation of γ H2AX following treatment with ionizing radiation. <i>Cell Cycle</i> , 2013, 12, 1773-1784.	1.3	11
187	A point mutation in Semaphorin 4A associates with defective endosomal sorting and causes retinal degeneration. <i>Nature Communications</i> , 2013, 4, 1406.	5.8	21
188	Molecular dissection of IZUMO1, a sperm protein essential for sperm-egg fusion. <i>Development (Cambridge)</i> , 2013, 140, 3221-3229.	1.2	102
189	Macrophage MHC and T-Cell Receptors Essential for Rejection of Allografted Skin and Lymphoma. <i>Transplantation</i> , 2013, 96, 251-257.	0.5	8
190	Establishment of Mouse Model of MYH9 Disorders: Heterozygous R702C Mutation Provokes Macrothrombocytopenia with Leukocyte Inclusion Bodies, Renal Glomerulosclerosis and Hearing Disability. <i>PLoS ONE</i> , 2013, 8, e71187.	1.1	23
191	Visualization of the moment of mouse sperm-egg fusion and dynamic localization of IZUMO1. <i>Development (Cambridge)</i> , 2013, 140, e1-e1.	1.2	0
192	N-terminal truncation of Lats1 causes abnormal cell growth control and chromosomal instability. <i>Development (Cambridge)</i> , 2013, 140, e907-e907.	1.2	0
193	Visualization of the moment of mouse sperm-egg fusion and dynamic localization of IZUMO1. <i>Journal of Cell Science</i> , 2012, 125, 4985-90.	1.2	148
194	GPHR-Dependent Functions of the Golgi Apparatus Are Essential for the Formation of Lamellar Granules and the Skin Barrier. <i>Journal of Investigative Dermatology</i> , 2012, 132, 2019-2025.	0.3	21
195	Cold-inducible RNA-binding protein (Cirp) interacts with Dyrk1b/Mirk and promotes proliferation of immature male germ cells in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10885-10890.	3.3	72
196	Characterization of inclusion bodies with cytoprotective properties formed by seipinopathy-linked mutant seipin. <i>Human Molecular Genetics</i> , 2012, 21, 635-646.	1.4	26
197	Protein disulfide isomerase homolog PDILT is required for quality control of sperm membrane protein ADAM3 and male fertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3850-3855.	3.3	131
198	Mice expressing aberrant sperm-specific protein PMIS2 produce normal-looking but fertilization-incompetent spermatozoa. <i>Molecular Biology of the Cell</i> , 2012, 23, 2671-2679.	0.9	42

#	ARTICLE	IF	CITATIONS
199	Tetraspanin-interacting protein IGSF8 is dispensable for mouse fertility. <i>Fertility and Sterility</i> , 2012, 98, 465-470.	0.5	21
200	<sc>AMPD</sc>3â€deficient mice exhibit increased erythrocyte <sc>ATP</sc> levels but anemia not improved due to <sc>PK</sc> deficiency. <i>Genes To Cells</i> , 2012, 17, 913-922.	0.5	18
201	Mice Deficient in Ficolin, a Lectin Complement Pathway Recognition Molecule, Are Susceptible to <i>Streptococcus pneumoniae</i> Infection. <i>Journal of Immunology</i> , 2012, 189, 5860-5866.	0.4	59
202	SPACA1-deficient male mice are infertile with abnormally shaped sperm heads reminiscent of globozoospermia. <i>Development (Cambridge)</i> , 2012, 139, 3583-3589.	1.2	140
203	Proteinuria in AMPD2â€deficient mice. <i>Genes To Cells</i> , 2012, 17, 28-38.	0.5	9
204	The in vivo imaging of fertilizing spermatozoa traveling in female reproductive tract. <i>Journal of Reproductive Immunology</i> , 2012, 94, 101.	0.8	0
205	Factor for Adipocyte Differentiation 158 Gene Disruption Prevents the Body Weight Gain and Insulin Resistance Induced by a High-Fat Diet. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1257-1263.	0.6	25
206	Targeted disruption of one of the importinâ€f1± family members leads to female functional incompetence in delivery. <i>FEBS Journal</i> , 2011, 278, 1561-1572.	2.2	19
207	The mechanism of spermâ€egg interaction and the involvement of IZUMO1 in fusion. <i>Asian Journal of Andrology</i> , 2011, 13, 81-87.	0.8	60
208	Formation of a thymus from rat ES cells in xenogeneic nude mouseâ€rat ES chimeras. <i>Genes To Cells</i> , 2011, 16, 397-405.	0.5	93
209	Mice lacking Ran binding protein 1 are viable and show male infertility. <i>FEBS Letters</i> , 2011, 585, 791-796.	1.3	23
210	Identification of Semaphorin 4B as a Negative Regulator of Basophil-Mediated Immune Responses. <i>Journal of Immunology</i> , 2011, 186, 2881-2888.	0.4	42
211	Homologous Recombination in Rat Germline Stem Cells1. <i>Biology of Reproduction</i> , 2011, 85, 208-217.	1.2	28
212	Dynamic Modification of Sphingomyelin in Lipid Microdomains Controls Development of Obesity, Fatty Liver, and Type 2 Diabetes. <i>Journal of Biological Chemistry</i> , 2011, 286, 28544-28555.	1.6	162
213	Calsperin Is a Testis-specific Chaperone Required for Sperm Fertility. <i>Journal of Biological Chemistry</i> , 2011, 286, 5639-5646.	1.6	128
214	Pravastatin induces placental growth factor (PGF) and ameliorates preeclampsia in a mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1451-1455.	3.3	356
215	Mitochondrial Dysfunction and Increased Reactive Oxygen Species Impair Insulin Secretion in Sphingomyelin Synthase 1-null Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 3992-4002.	1.6	129
216	Acrosome-reacted mouse spermatozoa recovered from the perivitelline space can fertilize other eggs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20008-20011.	3.3	117

#	ARTICLE	IF	CITATIONS
217	Muscle Fiber Type-Predominant Promoter Activity in Lentiviral-Mediated Transgenic Mouse. <i>PLoS ONE</i> , 2011, 6, e16908.	1.1	13
218	Primary Screening of Single Nucleotide Polymorphisms in Human Calreticulin 3 (CALR3). <i>The Open Andrology Journal</i> , 2011, 3, 30-35.	0.2	2
219	Fertilization: a sperm's journey to and interaction with the oocyte. <i>Journal of Clinical Investigation</i> , 2010, 120, 984-994.	3.9	254
220	Transgenic Mouse Sperm that Have Green Acrosome and Red Mitochondria Allow Visualization of Sperm and Their Acrosome Reaction in Vivo. <i>Experimental Animals</i> , 2010, 59, 105-107.	0.7	116
221	Establishment and Analysis of <i>SLC22A12</i> (URAT1) Knockout Mouse. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2010, 29, 314-320.	0.4	28
222	Calponin 3 Regulates Actin Cytoskeleton Rearrangement in Trophoblastic Cell Fusion. <i>Molecular Biology of the Cell</i> , 2010, 21, 3973-3984.	0.9	70
223	Sperm equatorial segment protein 1, SPESP1, is required for fully fertile sperm in mouse. <i>Journal of Cell Science</i> , 2010, 123, 1531-1536.	1.2	89
224	Humanized Gene Replacement in Mice Reveals the Contribution of Cancer Stroma-Derived HB-EGF to Tumor Growth. <i>Cell Structure and Function</i> , 2010, 35, 3-13.	0.5	13
225	Identification and Disruption of Sperm-Specific Angiotensin Converting Enzyme-3 (ACE3) in Mouse. <i>PLoS ONE</i> , 2010, 5, e10301.	1.1	46
226	Male Germline and Embryonic Stem Cell Lines from NOD Mice: Efficient Derivation of GS Cells from a Nonpermissive Strain for ES Cell Derivation1. <i>Biology of Reproduction</i> , 2009, 81, 1147-1153.	1.2	23
227	Disruption of ADAM3 Impairs the Migration of Sperm into Oviduct in Mouse1. <i>Biology of Reproduction</i> , 2009, 81, 142-146.	1.2	135
228	L-Amino acid oxidase plays a crucial role in host defense in the mammary glands. <i>FASEB Journal</i> , 2009, 23, 2514-2520.	0.2	37
229	Disruption of the novel gene <i>fad104</i> causes rapid postnatal death and attenuation of cell proliferation, adhesion, spreading and migration. <i>Experimental Cell Research</i> , 2009, 315, 809-819.	1.2	32
230	Targeted gene modification in mouse ES cells using integrase-defective lentiviral vectors. <i>Genesis</i> , 2009, 47, 217-223.	0.8	25
231	Placenta-specific gene activation and inactivation using integrase-defective lentiviral vectors with the <i>Cre/LoxP</i> system. <i>Genesis</i> , 2009, 47, 793-798.	0.8	14
232	A histone H3 lysine 36 trimethyltransferase links <i>Nlx2-5</i> to Wolf-Hirschhorn syndrome. <i>Nature</i> , 2009, 460, 287-291.	13.7	336
233	Regulation of endoplasmic reticulum stress response by a BBF2H7-mediated <i>Sec23a</i> pathway is essential for chondrogenesis. <i>Nature Cell Biology</i> , 2009, 11, 1197-1204.	4.6	181
234	Signalling mediated by the endoplasmic reticulum stress transducer OASIS is involved in bone formation. <i>Nature Cell Biology</i> , 2009, 11, 1205-1211.	4.6	278

#	ARTICLE	IF	CITATIONS
235	Introduction of a Foreign Gene into Zebrafish and Medaka Cells Using Adenoviral Vectors. <i>Zebrafish</i> , 2009, 6, 253-258.	0.5	19
236	<i>Peroxi</i> redoxin 4 knockout results in elevated spermatogenic cell death via oxidative stress. <i>Biochemical Journal</i> , 2009, 419, 149-158.	1.7	175
237	Cd52, known as a major maturation-associated sperm membrane antigen secreted from the epididymis, is not required for fertilization in the mouse. <i>Genes To Cells</i> , 2008, 13, 851-861.	0.5	28
238	Role of calnexin in the ER quality control and productive folding of CFTR; differential effect of calnexin knockout on wild-type and F508 CFTR. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 1585-1594.	1.9	27
239	Chrelin deficiency does not influence feeding performance. <i>Regulatory Peptides</i> , 2008, 145, 7-11.	1.9	40
240	Taurine depletion caused by knocking out the taurine transporter gene leads to cardiomyopathy with cardiac atrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 927-937.	0.9	194
241	Putative sperm fusion protein IZUMO and the role of N-glycosylation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 910-914.	1.0	62
242	DNA methylation of retrotransposon genes is regulated by Piwi family members MILI and MIWI2 in murine fetal testes. <i>Genes and Development</i> , 2008, 22, 908-917.	2.7	790
243	Pluripotency of a Single Spermatogonial Stem Cell in Mice. <i>Biology of Reproduction</i> , 2008, 78, 681-687.	1.2	170
244	Neuroaxonal Dystrophy Caused by Group VIA Phospholipase A ₂ Deficiency in Mice: A Model of Human Neurodegenerative Disease. <i>Journal of Neuroscience</i> , 2008, 28, 2212-2220.	1.7	154
245	Bis deficiency results in early lethality with metabolic deterioration and involution of spleen and thymus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E1349-E1357.	1.8	35
246	Mechanisms of sperm-egg interactions emerging from gene-manipulated animals. <i>International Journal of Developmental Biology</i> , 2008, 52, 657-664.	0.3	21
247	PGAP1 Knock-out Mice Show Otocephaly and Male Infertility. <i>Journal of Biological Chemistry</i> , 2007, 282, 30373-30380.	1.6	84
248	Hypertension and dysregulated proinflammatory cytokine production in receptor activity-modifying protein 1-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16702-16707.	3.3	117
249	Lats2 Is an Essential Mitotic Regulator Required for the Coordination of Cell Division. <i>Journal of Biological Chemistry</i> , 2007, 282, 19259-19271.	1.6	130
250	Antitumor NK activation induced by the Toll-like receptor 3-TICAM-1 (TRIF) pathway in myeloid dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 252-257.	3.3	177
251	Innate versus learned odour processing in the mouse olfactory bulb. <i>Nature</i> , 2007, 450, 503-508.	13.7	596
252	Complementation of placental defects and embryonic lethality by trophoblast-specific lentiviral gene transfer. <i>Nature Biotechnology</i> , 2007, 25, 233-237.	9.4	115

#	ARTICLE	IF	CITATIONS
253	PGC7/Stella protects against DNA demethylation in early embryogenesis. <i>Nature Cell Biology</i> , 2007, 9, 64-71.	4.6	493
254	Efficient Derivation of Embryonic Stem Cells by Inhibition of Glycogen Synthase Kinase-3. <i>Stem Cells</i> , 2007, 25, 2705-2711.	1.4	62
255	Sperm-egg interaction and gene manipulated animals. <i>Society of Reproduction and Fertility Supplement</i> , 2007, 65, 363-71.	0.2	14
256	RECS1 deficiency in mice induces susceptibility to cystic medial degeneration. <i>Genes and Genetic Systems</i> , 2006, 81, 41-50.	0.2	29
257	The testes-specific bZip type transcription factor Tisp40 plays a role in ER stress responses and chromatin packaging during spermiogenesis. <i>Genes To Cells</i> , 2006, 11, 1161-1171.	0.5	39
258	Plexin-A1 and its interaction with DAP12 in immune responses and bone homeostasis. <i>Nature Cell Biology</i> , 2006, 8, 615-622.	4.6	229
259	Rapid generation of knockdown transgenic mice by silencing lentiviral vectors. <i>Nature Protocols</i> , 2006, 1, 286-292.	5.5	28
260	Comparison of Gene Expression in Male and Female Mouse Blastocysts Revealed Imprinting of the X-Linked Gene, <i>Rhox5/Pem</i> , at Preimplantation Stages. <i>Current Biology</i> , 2006, 16, 166-172.	1.8	137
261	Production of knockout mice by random or targeted mutagenesis in spermatogonial stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8018-8023.	3.3	151
262	Deletion of SERP1/RAMP4, a Component of the Endoplasmic Reticulum (ER) Translocation Sites, Leads to ER Stress. <i>Molecular and Cellular Biology</i> , 2006, 26, 4257-4267.	1.1	52
263	Aberrant Distribution of ADAM3 in Sperm from Both Angiotensin-Converting Enzyme (Ace)- and Calmegin (Clgn)-Deficient Mice1. <i>Biology of Reproduction</i> , 2006, 75, 760-766.	1.2	104
264	Choroidal neovascularization in transgenic mice expressing prokineticin 1: an animal model for age-related macular degeneration. <i>Molecular Therapy</i> , 2006, 13, 609-616.	3.7	17
265	Distinct roles of I κ B proteins in regulating constitutive NF- κ B activity. <i>Nature Cell Biology</i> , 2005, 7, 921-923.	4.6	138
266	The immunoglobulin superfamily protein Izumo is required for sperm to fuse with eggs. <i>Nature</i> , 2005, 434, 234-238.	13.7	701
267	Impaired Urea Accumulation in the Inner Medulla of Mice Lacking the Urea Transporter UT-A2. <i>Molecular and Cellular Biology</i> , 2005, 25, 7357-7363.	1.1	95
268	Progressive Adipocyte Hypertrophy in Aquaporin-7-deficient Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 15493-15496.	1.6	230
269	Selective Passage Through the Uterotubal Junction of Sperm from a Mixed Population Produced by Chimeras of Calmegin-Knockout and Wild-Type Male Mice1. <i>Biology of Reproduction</i> , 2004, 71, 959-965.	1.2	59
270	Identification of the XPG Region That Causes the Onset of Cockayne Syndrome by Using Xpg Mutant Mice Generated by the cDNA-Mediated Knock-In Method. <i>Molecular and Cellular Biology</i> , 2004, 24, 3712-3719.	1.1	52

#	ARTICLE	IF	CITATIONS
271	The LIM homeobox gene, L3/Lhx8, is necessary for proper development of basal forebrain cholinergic neurons. <i>European Journal of Neuroscience</i> , 2004, 19, 3129-3141.	1.2	85
272	Neuromedin U has a novel anorexigenic effect independent of the leptin signaling pathway. <i>Nature Medicine</i> , 2004, 10, 1067-1073.	15.2	191
273	Mili, a mammalian member of piwi family gene, is essential for spermatogenesis. <i>Development (Cambridge)</i> , 2004, 131, 839-849.	1.2	666
274	Lineage-specific cell disruption in living mice by Cre-mediated expression of diphtheria toxin A chain. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 275-279.	1.0	86
275	Generation of transgenic mice using lentiviral vectors: a novel preclinical assessment of lentiviral vectors for gene therapy. <i>Molecular Therapy</i> , 2003, 8, 666-673.	3.7	88
276	Mouse Germ Cell-Less as an Essential Component for Nuclear Integrity. <i>Molecular and Cellular Biology</i> , 2003, 23, 1304-1315.	1.1	70
277	I κ B Kinase-Independent I κ B Degradation Pathway: Functional NF- κ B Activity and Implications for Cancer Therapy. <i>Molecular and Cellular Biology</i> , 2003, 23, 8070-8083.	1.1	160
278	A general method for gene knockdown in mice by using lentiviral vectors expressing small interfering RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1844-1848.	3.3	546
279	Disruption of Mouse CD46 Causes an Accelerated Spontaneous Acrosome Reaction in Sperm. <i>Molecular and Cellular Biology</i> , 2003, 23, 2614-2622.	1.1	128
280	Transgenesis by lentiviral vectors: Lack of gene silencing in mammalian embryonic stem cells and preimplantation embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2140-2145.	3.3	511
281	Mouse Sperm Lacking Cell Surface Hyaluronidase PH-20 Can Pass through the Layer of Cumulus Cells and Fertilize the Egg. <i>Journal of Biological Chemistry</i> , 2002, 277, 30310-30314.	1.6	160
282	Restoration of spermatogenesis by lentiviral gene transfer: Offspring from infertile mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7524-7529.	3.3	109
283	FISH Analysis of 142 EGFP Transgene Integration Sites into the Mouse Genome. <i>Genomics</i> , 2002, 80, 564-574.	1.3	131
284	Sperm from the Calmegin-Deficient Mouse Have Normal Abilities for Binding and Fusion to the Egg Plasma Membrane. <i>Developmental Biology</i> , 2002, 250, 348-357.	0.9	69
285	Mice with Markedly Reduced PACAP (PAC1) Receptor Expression by Targeted Deletion of the Signal Peptide. <i>Journal of Neurochemistry</i> , 2002, 75, 1810-1817.	2.1	35
286	Sperm from the calmegin-deficient mouse have normal abilities for binding and fusion to the egg plasma membrane. <i>Developmental Biology</i> , 2002, 250, 348-57.	0.9	18
287	Alkalinization of Acrosome Measured by GFP as a pH Indicator and Its Relation to Sperm Capacitation. <i>Developmental Biology</i> , 2001, 237, 222-231.	0.9	73
288	Calmegin Is Required for Fertilin $\hat{1}$ / $\hat{2}$ Heterodimerization and Sperm Fertility. <i>Developmental Biology</i> , 2001, 240, 254-261.	0.9	124

#	ARTICLE	IF	CITATIONS
289	A codon exchange DAF is a powerful material for xenografting. <i>Transplantation Proceedings</i> , 2001, 33, 744-745.	0.3	1
290	Cyclin G1 is involved in G2/M arrest in response to DNA damage and in growth control after damage recovery. <i>Oncogene</i> , 2001, 20, 3290-3300.	2.6	134
291	A Synthetic DAF (CD55) Gene Based on Optimal Codon Usage for Transgenic Animals. <i>Journal of Biochemistry</i> , 2001, 129, 795-801.	0.9	7
292	Efficient chromosomal transposition of a Tc1/mariner-like transposon Sleeping Beauty in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9191-9196.	3.3	164
293	Expression of the endoplasmic reticulum molecular chaperone (ORP150) rescues hippocampal neurons from glutamate toxicity. <i>Journal of Clinical Investigation</i> , 2001, 108, 1439-1450.	3.9	125
294	Green fluorescent protein-transgenic mice: immune functions and their application to studies of lymphocyte development. <i>Immunology Letters</i> , 2000, 70, 165-171.	1.1	45
295	Synthesis of a New Cre Recombinase Gene Based on Optimal Codon Usage for Mammalian Systems. <i>Journal of Biochemistry</i> , 2000, 127, 367-372.	0.9	37
296	Homeobox Gene Hex Is Essential for Onset of Mouse Embryonic Liver Development and Differentiation of the Monocyte Lineage. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 1155-1161.	1.0	174
297	The Class IV Semaphorin CD100 Plays Nonredundant Roles in the Immune System. <i>Immunity</i> , 2000, 13, 633-642.	6.6	247
298	A new Cre recombinase gene based on optimal codon usage in mammals: a powerful material for organ-specific gene targeting. <i>Transplantation Proceedings</i> , 2000, 32, 2516-2517.	0.3	7
299	Green Fluorescent Protein (GFP) as a Marker for Cell Viability After UV Irradiation. <i>Journal of Fluorescence</i> , 1999, 9, 37-43.	1.3	21
300	Efficient selection of transgenic mouse embryos using EGFP as a marker gene. <i>Molecular Reproduction and Development</i> , 1999, 54, 43-48.	1.0	65
301	Real-time observation of acrosomal dispersal from mouse sperm using GFP as a marker protein. <i>FEBS Letters</i> , 1999, 449, 277-283.	1.3	179
302	Migration of Exogenous Immature Hematopoietic Cells into Adult Mouse Brain Parenchyma under GFP-Expressing Bone Marrow Chimera. <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 610-614.	1.0	69
303	Glowing Podocytes in Living Mouse: Transgenic Mouse Carrying a Podocyte-Specific Promoter. <i>Nephron Experimental Nephrology</i> , 1999, 7, 63-66.	2.4	14
304	Postnatal Growth Failure, Short Life Span, and Early Onset of Cellular Senescence and Subsequent Immortalization in Mice Lacking the Xeroderma Pigmentosum Group G Gene. <i>Molecular and Cellular Biology</i> , 1999, 19, 2366-2372.	1.1	115
305	Efficient selection of transgenic mouse embryos using EGFP as a marker gene. <i>Molecular Reproduction and Development</i> , 1999, 54, 43-48.	1.0	10
306	Roles of integrins and CD44 on the adhesion and migration of fetal liver cells to the fetal thymus. <i>Journal of Immunology</i> , 1999, 163, 3211-6.	0.4	25

#	ARTICLE	IF	CITATIONS
307	Non-invasive sexing of preimplantation stage mammalian embryos. <i>Nature Genetics</i> , 1998, 19, 220-222.	9.4	135
308	1 Green Fluorescent Protein (GFP) as a Vital Marker in Mammals. <i>Current Topics in Developmental Biology</i> , 1998, 44, 1-20.	1.0	62
309	Prevention of hyperacute rejection by phosphatidylinositol-anchored mini-complement receptor type 1. <i>Transplant Immunology</i> , 1998, 6, 107-110.	0.6	18
310	'Green mice' and their potential usage in biological research. <i>FEBS Letters</i> , 1998, 430, 83-87.	1.3	91
311	Generating green fluorescent mice by germline transmission of green fluorescent ES cells. <i>Mechanisms of Development</i> , 1998, 76, 79-90.	1.7	464
312	Male Infertility and the Genetics of Spermatogenesis. <i>American Journal of Human Genetics</i> , 1998, 62, 1274-1281.	2.6	70
313	The Putative Chaperone Calmegin is Required for Sperm Fertility. <i>Journal of Urology</i> , 1998, 160, 621-621.	0.2	3
314	Defective stratum corneum and early neonatal death in mice lacking the gene for transglutaminase 1 (keratinocyte transglutaminase). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 1044-1049.	3.3	298
315	Gene Targeting of the Gene Encoding the Mouse Type I Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) Receptor. <i>The Japanese Journal of Pharmacology</i> , 1998, 76, 48.	1.2	0
316	Studies on the Mechanism of Sperm Production. , 1998, , 235-251.		6
317	Tissue-specific knockout of the mouse Pig-a gene reveals important roles for GPI-anchored proteins in skin development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7400-7405.	3.3	249
318	The Regulation of Membrane Cofactor Protein (CD46) Expression by the 3' Untranslated Region in Transgenic Mice. <i>Biochemical and Biophysical Research Communications</i> , 1997, 233, 829-833.	1.0	21
319	The regulation of membrane cofactor protein (CD46) expression in transgenic mice: The importance of the first 125 BP of the 3' untranslated region. <i>Transplantation Proceedings</i> , 1997, 29, 941-942.	0.3	5
320	'Green mice' as a source of ubiquitous green cells. <i>FEBS Letters</i> , 1997, 407, 313-319.	1.3	2,364
321	Cloning and characterization of the human Calmegin gene encoding putative testis-specific chaperone. <i>Gene</i> , 1997, 204, 159-163.	1.0	19
322	The putative chaperone calmegin is required for sperm fertility. <i>Nature</i> , 1997, 387, 607-611.	13.7	273
323	Transcriptional activation of a hybrid promoter composed of cytomegalovirus enhancer and β -actin/ β -globin gene in glomerular epithelial cells in vivo. <i>Kidney International</i> , 1997, 51, 1265-1269.	2.6	41
324	Green Fluorescent Protein as a Novel Vital Marker in Transgenic Mouse. <i>Journal of Reproduction and Development</i> , 1997, 43, j19-j25.	0.5	3

#	ARTICLE	IF	CITATIONS
325	Glycosylphosphatidylinositol-anchor-deficient mice: implications for clonal dominance of mutant cells in paroxysmal nocturnal hemoglobinuria. <i>Blood</i> , 1996, 87, 3600-3606.	0.6	223
326	Glycosylphosphatidylinositol-anchor-deficient mice: implications for clonal dominance of mutant cells in paroxysmal nocturnal hemoglobinuria. <i>Blood</i> , 1996, 87, 3600-6.	0.6	75
327	In vitro and in vivo studies to prevent hyperacute rejection. <i>Transplantation Proceedings</i> , 1996, 28, 1031-3.	0.3	0
328	Difference of expression levels between gene technological product delta CYT-MCP(CD46) and intact MCP(CD46) in transgenic mice. <i>Transplantation Proceedings</i> , 1996, 28, 585-6.	0.3	2
329	Improvement of Fusing Ability of Human Sperm to Zona-Free Hamster Eggs by Conditioned Media.. <i>Biological and Pharmaceutical Bulletin</i> , 1995, 18, 5-8.	0.6	1
330	Green fluorescent protein as a marker in transgenic mice. <i>Development Growth and Differentiation</i> , 1995, 37, 455-459.	0.6	105
331	A rapid and non-invasive selection of transgenic embryos before implantation using green fluorescent protein (GFP). <i>FEBS Letters</i> , 1995, 375, 125-128.	1.3	164
332	Homology of an acrosome-reacted sperm-specific antigen to CD46.. <i>Journal of Pharmacobio-dynamics</i> , 1992, 15, 455-459.	0.5	27