Masahito Ikawa

List of Publications by Year
in descending order

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333 papers	25,762 citations	6254 80 h-index	8396 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. Asian Journal of Andrology, 2022, 24, 266.	1.6	9
2	The motor domain of testis-enriched kinesin KIF9 is essential for its localization in the mouse flagellum. Experimental Animals, 2022, 71, 46-52.	1.1	2
3	C2cd6-encoded CatSperÏ„ targets sperm calcium channel to Ca2+ signaling domains in the flagellar membrane. Cell Reports, 2022, 38, 110226.	6.4	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. Journal of Biological Chemistry, 2022, 298, 101720.	3.4	8
5	Kastor and Polluks polypeptides encoded by a single gene locus cooperatively regulate VDAC and spermatogenesis. Nature Communications, 2022, 13, 1071.	12.8	14
6	The Mechanism of Pertussis Cough Revealed by the Mouse-Coughing Model. MBio, 2022, 13, e0319721.	4.1	8
7	Loss of mouse Y chromosome geneZfy1andZfy2leads to spermatogenesis impairment, sperm defects, and infertility. Biology of Reproduction, 2022, 106, 1312-1326.	2.7	6
8	Sperm membrane proteins DCST1 and DCST2 are required for sperm-egg interaction in mice and fish. Communications Biology, 2022, 5, 332.	4.4	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. International Immunology, 2022, 34, 207-223.	4.0	0
10	Aspects of the Complement System in New Era of Xenotransplantation. Frontiers in Immunology, 2022, 13, 860165.	4.8	8
11	Proteolysis in Reproduction: Lessons From Gene-Modified Organism Studies. Frontiers in Endocrinology, 2022, 13, .	3.5	8
12	TULP2 deletion mice exhibit abnormal outer dense fiber structure and male infertility. Reproductive Medicine and Biology, 2022, 21, .	2.4	3
13	Trim41 is required to regulate chromosome axis protein dynamics and meiosis in male mice. PLoS Genetics, 2022, 18, e1010241.	3.5	1
14	Establishment of mouse model of inherited PIGO deficiency and therapeutic potential of AAV-based gene therapy. Nature Communications, 2022, 13, .	12.8	4
15	IRGC1, a testis-enriched immunity related GTPase, is important for fibrous sheath integrity and sperm motility in mice. Developmental Biology, 2022, 488, 104-113.	2.0	4
16	The testis-specific E3 ubiquitin ligase RNF133 is required for fecundity in mice. BMC Biology, 2022, 20, .	3.8	9
17	NAIL: an evolutionarily conserved lncRNA essential for licensing coordinated activation of p38 and NFÎºB in colitis. Gut, 2021, 70, 1857-1871.	12.1	41
18	Astrocytic cAMP modulates memory via synaptic plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	39

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19	ARMC12 regulates spatiotemporal mitochondrial dynamics during spermiogenesis and is required for male fertility. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	39
20	Protocol for isolation of spermatids from mouse testes. STAR Protocols, 2021, 2, 100254.	1.2	5
21	Cooperation-based sperm clusters mediate sperm oviduct entry and fertilization. Protein and Cell, 2021, 12, 810-817.	11.0	14
22	Identification and characterization of the antigen recognized by the germ cell mAb TRA98 using a human comprehensive wet protein array. Genes To Cells, 2021, 26, 180-189.	1.2	8
23	A novel tissue specific alternative splicing variant mitigates phenotypes inÂEts2Âframe-shift mutant models. Scientific Reports, 2021, 11, 8297.	3.3	8
24	Thiazoline-related innate fear stimuli orchestrate hypothermia and anti-hypoxia via sensory TRPA1 activation. Nature Communications, 2021, 12, 2074.	12.8	14
25	KCTD19 and its associated protein ZFP541 are independently essential for meiosis in male mice. PLoS Genetics, 2021, 17, e1009412.	3.5	21
26	Endometrial receptivity and implantation require uterine BMP signaling through an ACVR2A-SMAD1/SMAD5 axis. Nature Communications, 2021, 12, 3386.	12.8	38
27	Lensâ€“specific conditional knockout of tropomyosin 1 gene in mice causes abnormal fiber differentiation and lens opacity. Mechanisms of Ageing and Development, 2021, 196, 111492.	4.6	2
28	Intergenerational effect of short-term spaceflight in mice. IScience, 2021, 24, 102773.	4.1	7
29	Precise CAG repeat contraction in a Huntingtonâ€™s Disease mouse model is enabled by gene editing with SpCas9-NG. Communications Biology, 2021, 4, 771.	4.4	20
30	RanGTP and the actin cytoskeleton keep paternal and maternal chromosomes apart during fertilization. Journal of Cell Biology, 2021, 220, .	5.2	15
31	SPATA33 localizes calcineurin to the mitochondria and regulates sperm motility in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
32	Rubicon prevents autophagic degradation of GATA4 to promote Sertoli cell function. PLoS Genetics, 2021, 17, e1009688.	3.5	13
33	Uterine Epithelial LIF Receptors Contribute to Implantation Chamber Formation in Blastocyst Attachment. Endocrinology, 2021, 162, .	2.8	9
34	A sublethal ATP11A mutation associated with neurological deterioration causes aberrant phosphatidylcholine flipping in plasma membranes. Journal of Clinical Investigation, 2021, 131, .	8.2	25
35	The conserved fertility factor SPACA4/Bouncer has divergent modes of action in vertebrate fertilization. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
36	FAM209 associates with DPY19L2, and is required for sperm acrosome biogenesis and fertility in mice. Journal of Cell Science, 2021, 134, .	2.0	15

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37	LRRC23 is a conserved component of the radial spoke that is necessary for sperm motility and male fertility in mice. Journal of Cell Science, 2021, 134, .	2.0	17
38	MORC3, a novel MIWI2 association partner, as an epigenetic regulator of piRNA dependent transposon silencing in male germ cells. Scientific Reports, 2021, 11, 20472.	3.3	6
39	FAM71F1 binds to RAB2A and RAB2B and is essential for acrosome formation and male fertility in mice. Development (Cambridge), 2021, 148, .	2.5	10
40	Sperm IZUMO1 Is Required for Binding Preceding Fusion With Oolemma in Mice and Rats. Frontiers in Cell and Developmental Biology, 2021, 9, 810118.	3.7	10
41	Age-associated alteration of female reproductive morphology and fertility in mice. Journal of Reproductive Immunology, 2021, 148, 103411.	1.9	0
42	The testis-specific serine proteases PRSS44, PRSS46, and PRSS54 are dispensable for male mouse fertilityâ€. Biology of Reproduction, 2020, 102, 84-91.	2.7	27
43	Genetic mutation of <i>Frem3</i> does not causeFraser syndrome in mice. Experimental Animals, 2020, 69, 104-109.	1.1	3
44	PITHD1 is a proteasome-interacting protein essential for male fertilization. Journal of Biological Chemistry, 2020, 295, 1658-1672.	3.4	8
45	Tesmin, Metallothionein-Like 5, is Required for Spermatogenesis in Miceâ€. Biology of Reproduction, 2020, 102, 975-983.	2.7	16
46	Evidence for lysosomal biogenesis proteome defect and impaired autophagy in preeclampsia. Autophagy, 2020, 16, 1771-1785.	9.1	62
47	Mouse t-complex protein 11 is important for progressive motility in spermâ€. Biology of Reproduction, 2020, 102, 852-862.	2.7	15
48	Genetic loss of importin Î±4 causes abnormal sperm morphology and impacts on male fertility in mouse. FASEB Journal, 2020, 34, 16224-16242.	0.5	15
49	PHF7 Modulates BRDT Stability and Histone-to-Protamine Exchange during Spermiogenesis. Cell Reports, 2020, 32, 107950.	6.4	23
50	Diphtheria toxinâ€mediated transposonâ€driven poly (A)â€trapping efficiently disrupts transcriptionally silent genes in embryonic stem cells. Genesis, 2020, 58, e23386.	1.6	0
51	CRISPR/CAS9-mediated amino acid substitution reveals phosphorylation residues of RSPH6A are not essential for male fertility in miceâ€. Biology of Reproduction, 2020, 103, 912-914.	2.7	5
52	Large-scale discovery of male reproductive tract-specific genes through analysis of RNA-seq datasets. BMC Biology, 2020, 18, 103.	3.8	39
53	PGAP6, a GPI-specific phospholipase A2, has narrow substrate specificity against GPI-anchored proteins. Journal of Biological Chemistry, 2020, 295, 14501-14509.	3.4	12
54	CIB4 is essential for the haploid phase of spermatogenesis in miceâ€. Biology of Reproduction, 2020, 103, 235-243.	2.7	8

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55	Sperm proteins SOF1, TMEM95, and SPACA6 are required for spermâ˜oocyte fusion in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11493-11502.	7.1	111
56	Tmprss12 is required for sperm motility and uterotubal junction migration in miceâ€. Biology of Reproduction, 2020, 103, 254-263.	2.7	19
57	NELL2-mediated lumicrine signaling through OVCH2 is required for male fertility. Science, 2020, 368, 1132-1135.	12.6	63
58	Knockout of family with sequence similarity 170 member A (Fam170a) causes male subfertility, while Fam170b is dispensable in miceâ€. Biology of Reproduction, 2020, 103, 205-222.	2.7	8
59	Reduction in BDNF from Inefficient Precursor Conversion Influences Nest Building and Promotes Depressive-Like Behavior in Mice. International Journal of Molecular Sciences, 2020, 21, 3984.	4.1	12
60	CRISPR/Cas9-based genome editing in mice uncovers 13 testis- or epididymis-enriched genes individually dispensable for male reproductionâ€. Biology of Reproduction, 2020, 103, 183-194.	2.7	21
61	CRISPR/Cas9-mediated genome-edited mice reveal 10 testis-enriched genes are dispensable for male fecundity. Biology of Reproduction, 2020, 103, 195-204.	2.7	28
62	Analysis of the sperm flagellar axoneme using gene-modified mice. Experimental Animals, 2020, 69, 374-381.	1.1	12
63	Identification of transmembrane protein 168 mutation in familial Brugada syndrome. FASEB Journal, 2020, 34, 6399-6417.	0.5	6
64	Bi-allelic DNAH8 Variants Lead to Multiple Morphological Abnormalities of the Sperm Flagella and Primary Male Infertility. American Journal of Human Genetics, 2020, 107, 330-341.	6.2	111
65	Testisâ€enriched kinesin KIF9 is important for progressive motility in mouse spermatozoa. FASEB Journal, 2020, 34, 5389-5400.	0.5	27
66	IgSF11 regulates osteoclast differentiation through association with the scaffold protein PSD-95. Bone Research, 2020, 8, 5.	11.4	16
67	Nexin-Dynein regulatory complex component DRC7 but not FBXL13 is required for sperm flagellum formation and male fertility in mice. PLoS Genetics, 2020, 16, e1008585.	3.5	28
68	Structural insights into tetraspanin CD9 function. Nature Communications, 2020, 11, 1606.	12.8	114
69	Spermatozoa lacking Fertilization Influencing Membrane Protein (FIMP) fail to fuse with oocytes in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9393-9400.	7.1	74
70	Knockout of serine-rich single-pass membrane protein 1 (Ssmem1) causes globozoospermia and sterility in male miceâ€. Biology of Reproduction, 2020, 103, 244-253.	2.7	11
71	Prss55 but not Prss51 is required for male fertility in miceâ€. Biology of Reproduction, 2020, 103, 223-234.	2.7	22
72	CRISPR/Cas9-Mediated Genome Editing Reveals Oosp Family Genes are Dispensable for Female Fertility in Mice. Cells, 2020, 9, 821.	4.1	9

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73	RNA-binding protein Ptbp1 regulates alternative splicing and transcriptome in spermatogonia and maintains spermatogenesis in concert with Nanos3. Journal of Reproduction and Development, 2020, 66, 459-467.	1.4	3
74	DGKÎ³ Knock-Out Mice Show Impairments in Cerebellar Motor Coordination, LTD, and the Dendritic Development of Purkinje Cells through the Activation of PKCÎ³. ENeuro, 2020, 7, ENEURO.0319-19.2020.	1.9	11
75	Protocadherin-7 contributes to maintenance of bone homeostasis through regulation of osteoclast multinucleation. BMB Reports, 2020, 53, 472-477.	2.4	8
76	Chimeric analysis with newly established EGFP/DsRed2-tagged ES cells identify HYDIN as essential for spermiogenesis in mice. Experimental Animals, 2019, 68, 25-34.	1.1	14
77	Developmental analyses of mouse embryos and adults using a non-overlapping tracing system for all three germ layers. Development (Cambridge), 2019, 146, .	2.5	7
78	Identification of multiple male reproductive tract-specific proteins that regulate sperm migration through the oviduct in mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18498-18506.	7.1	48
79	Male mice, caged in the International Space Station for 35 days, sire healthy offspring. Scientific Reports, 2019, 9, 13733.	3.3	24
80	Glycerol kinase 2 is essential for proper arrangement of crescent-like mitochondria to form the mitochondrial sheath during mouse spermatogenesis. Journal of Reproduction and Development, 2019, 65, 155-162.	1.4	33
81	CRISPR/Cas9-mediated genome editing reveals 30 testis-enriched genes dispensable for male fertility in miceâ€. Biology of Reproduction, 2019, 101, 501-511.	2.7	81
82	Physiological function of seminal vesicle secretions on male fecundity. Reproductive Medicine and Biology, 2019, 18, 241-246.	2.4	20
83	Calaxin is required for cilia-driven determination of vertebrate laterality. Communications Biology, 2019, 2, 226.	4.4	26
84	PTBP1 contributes to spermatogenesis through regulation of proliferation in spermatogonia. Journal of Reproduction and Development, 2019, 65, 37-46.	1.4	11
85	Nine genes abundantly expressed in the epididymis are not essential for male fecundity in mice. Andrology, 2019, 7, 644-653.	3.5	35
86	Mice with Calr mutations homologous to human CALR mutations only exhibit mild thrombocytosis. Blood Cancer Journal, 2019, 9, 42.	6.2	15
87	GPAT2 is required for piRNA biogenesis, transposon silencing, and maintenance of spermatogonia in miceâ€. Biology of Reproduction, 2019, 101, 248-256.	2.7	11
88	Lvrn expression is not critical for mouse placentation. Journal of Reproduction and Development, 2019, 65, 239-244.	1.4	1
89	Polarized PtdIns(4,5)P ₂ distribution mediated by a voltage-sensing phosphatase (VSP) regulates sperm motility. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26020-26028.	7.1	17
90	Cutting Edge: Role of MASP-3 in the Physiological Activation of Factor D of the Alternative Complement Pathway. Journal of Immunology, 2019, 203, 1411-1416.	0.8	35

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91	Rap1 regulates hematopoietic stem cell survival and affects oncogenesis and response to chemotherapy. Nature Communications, 2019, 10, 5349.	12.8	37
92	Seminal vesicle secretory protein 7, PATE4, is not required for sperm function but for copulatory plug formation to ensure fecundityâ€. Biology of Reproduction, 2019, 100, 1035-1045.	2.7	19
93	USP15 Participates in Hepatitis C Virus Propagation through Regulation of Viral RNA Translation and Lipid Droplet Formation. Journal of Virology, 2019, 93, .	3.4	17
94	An azoospermic factor gene, Ddx3y and its paralog, Ddx3x are dispensable in germ cells for male fertility. Journal of Reproduction and Development, 2019, 65, 121-128.	1.4	36
95	CKAP4, a DKK1 Receptor, Is a Biomarker in Exosomes Derived from Pancreatic Cancer and a Molecular Target for Therapy. Clinical Cancer Research, 2019, 25, 1936-1947.	7.0	91
96	Ventricularâ€“subventricular zone fractones are speckled basement membranes that function as a neural stem cell niche. Molecular Biology of the Cell, 2019, 30, 56-68.	2.1	20
97	Tropomyosin 2 heterozygous knockout in mice using CRISPR-Cas9 system displays the inhibition of injury-induced epithelial-mesenchymal transition, and lens opacity. Mechanisms of Ageing and Development, 2018, 171, 24-30.	4.6	19
98	Transgenic mouse lines expressing the 3x<scp>FLAG</scp>â€<scp>dC</scp>as9 protein for enCh<scp>IP</scp> analysis. Genes To Cells, 2018, 23, 318-325.	1.2	9
99	Sperm-borne phospholipase C zeta-1 ensures monospermic fertilization in mice. Scientific Reports, 2018, 8, 1315.	3.3	92
100	Factors controlling sperm migration through the oviduct revealed by gene-modified mouse models. Experimental Animals, 2018, 67, 91-104.	1.1	43
101	MARCKSL1 Regulates Spine Formation in the Amygdala and Controls the Hypothalamic-Pituitary-Adrenal Axis and Anxiety-Like Behaviors. EBioMedicine, 2018, 30, 62-73.	6.1	6
102	Intravesicular Acidification Regulates Lipopolysaccharide Inflammation and Tolerance through TLR4 Trafficking. Journal of Immunology, 2018, 200, 2798-2808.	0.8	19
103	Revolutionizing male fertility factor research in mice by using the genome editing tool <scp>CRISPR</scp>/Cas9. Reproductive Medicine and Biology, 2018, 17, 3-10.	2.4	28
104	Impaired male fertility and abnormal epididymal epithelium differentiation in mice lacking CRISP1 and CRISP4. Scientific Reports, 2018, 8, 17531.	3.3	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. PLoS Biology, 2018, 16, e2004874.	5.6	19
106	Infection with flaviviruses requires BCLXL for cell survival. PLoS Pathogens, 2018, 14, e1007299.	4.7	28
107	Co-expression of sperm membrane proteins CMTM2A and CMTM2B is essential for ADAM3 localization and male fertility in mice. Journal of Cell Science, 2018, 131, .	2.0	24
108	Radial spoke head 6 homolog a is required for sperm flagellum formation and male fertility in mice. Journal of Cell Science, 2018, 131, .	2.0	75

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109	New Insights into the Molecular Events of Mammalian Fertilization. Trends in Biochemical Sciences, 2018, 43, 818-828.	7.5	25
110	Trophoblast-Specific Conditional Atg7 Knockout Mice Develop Gestational Hypertension. American Journal of Pathology, 2018, 188, 2474-2486.	3.8	52
111	Engineered CRISPR-Cas9 nuclease with expanded targeting space. Science, 2018, 361, 1259-1262.	12.6	783
112	Two Clk1 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.	7.1	79
113	Sperm Defects. , 2018, , 276-281.		4
114	Laminin β1 C-terminal Glu to Gln mutation induces early postimplantation lethality. Life Science Alliance, 2018, 1, e201800064.	2.8	9
115	Regulation of intestinal homeostasis by the ulcerative colitis-associated gene RNF186. Mucosal Immunology, 2017, 10, 446-459.	6.0	55
116	Testis-Specific Histone Variant H3t Gene Is Essential for Entry into Spermatogenesis. Cell Reports, 2017, 18, 593-600.	6.4	82
117	Muscle-specific deletion of BDK amplifies loss of myofibrillar protein during protein undernutrition. Scientific Reports, 2017, 7, 39825.	3.3	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.	2.7	118
119	The mechanics clarifying counterclockwise rotation in most IVF eggs in mice. Scientific Reports, 2017, 7, 43456.	3.3	2
120	New insights into the role of Jmjd3 and Utx in axial skeletal formation in mice. FASEB Journal, 2017, 31, 2252-2266.	0.5	25
121	Viable offspring after imaging of Ca2+ oscillations and visualization of the cortical reaction in mouse eggsâ€. Biology of Reproduction, 2017, 96, 563-575.	2.7	10
122	BATF2 inhibits immunopathological Th17 responses by suppressing Il23a expression during Trypanosoma cruzi infection. Journal of Experimental Medicine, 2017, 214, 1313-1331.	8.5	52
123	Placenta-specific gene manipulation using lentiviral vector and its application. Placenta, 2017, 59, S37-S43.	1.5	10
124	Vestigial-like 2 contributes to normal muscle fiber type distribution in mice. Scientific Reports, 2017, 7, 7168.	3.3	42
125	Suppression of HBV replication by the expression of nickase- and nuclease dead-Cas9. Scientific Reports, 2017, 7, 6122.	3.3	19
126	Modification of single-nucleotide polymorphism in a fully humanized CYP3A mouse by genome editing technology. Scientific Reports, 2017, 7, 15189.	3.3	24

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127	A delayed sperm penetration of cumulus layers by disruption of acrosin gene in ratsâ€. Biology of Reproduction, 2017, 97, 61-68.	2.7	25
128	TCTE1 is a conserved component of the dynein regulatory complex and is required for motility and metabolism in mouse spermatozoa. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5370-E5378.	7.1	74
129	Human Globozoospermia-Related Gene Spata16 Is Required for Sperm Formation Revealed by CRISPR/Cas9-Mediated Mouse Models. International Journal of Molecular Sciences, 2017, 18, 2208.	4.1	48
130	Genome Editing in Mouse Zygotes and Embryonic Stem Cells by Introducing SgRNA/Cas9 Expressing Plasmids. Methods in Molecular Biology, 2017, 1630, 67-80.	0.9	17
131	Mouse spermatozoa with higher fertilization rates have thinner nuclei. PeerJ, 2017, 5, e3913.	2.0	10
132	Lentiviral Vector-Mediated Complementation Restored Fetal Viability but Not Placental Hyperplasia in Plac1-Deficient Mice1. Biology of Reproduction, 2016, 94, 6.	2.7	18
133	Structural and functional insights into IZUMO1 recognition by JUNO in mammalian fertilization. Nature Communications, 2016, 7, 12198.	12.8	58
134	Complementary role of CNNM2 in sperm motility and Ca 2+ influx during capacitation. Biochemical and Biophysical Research Communications, 2016, 474, 441-446.	2.1	6
135	STING in tumor and host cells cooperatively work for NK cell-mediated tumor growth retardation. Biochemical and Biophysical Research Communications, 2016, 478, 1764-1771.	2.1	66
136	A GPI processing phospholipase A2, PGAP6, modulates Nodal signaling in embryos by shedding CRIPTO. Journal of Cell Biology, 2016, 215, 705-718.	5.2	36
137	Ground-based assessment of JAXA mouse habitat cage unit by mouse phenotypic studies. Experimental Animals, 2016, 65, 175-187.	1.1	22
138	CRISPR/Cas9-mediated mutation revealed cytoplasmic tail is dispensable for IZUMO1 function and male fertility. Reproduction, 2016, 152, 665-672.	2.6	14
139	Generation of Hprt-disrupted rat through mouseâ†rat ES chimeras. Scientific Reports, 2016, 6, 24215.	3.3	17
140	CRISPR/Cas9 mediated genome editing in ES cells and its application for chimeric analysis in mice. Scientific Reports, 2016, 6, 31666.	3.3	85
141	CABYR is essential for fibrous sheath integrity and progressive motility in mouse spermatozoa. Journal of Cell Science, 2016, 129, 4379-4387.	2.0	36
142	Essential role of autoactivation circuitry on Aurora B-mediated H2AX-pS121 in mitosis. Nature Communications, 2016, 7, 12059.	12.8	40
143	Expression of a Synthetic Gene of CTDM by Transgenic Animals. Transplantation Proceedings, 2016, 48, 1279-1281.	0.6	2
144	Human HLA-Ev (147) Expression in Transgenic Animals. Transplantation Proceedings, 2016, 48, 1323-1325.	0.6	2

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145	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
146	Kidney-specific knockout ofSav1in the mouse promotes hyperproliferation of renal tubular epithelium through suppression of the Hippo pathway. Journal of Pathology, 2016, 239, 97-108.	4.5	27
147	Knockout of Cytidine Monophospho-N-Acetylneuraminic Acid (CMP-NeuAc) Hydroxylase From Porcine Endothelial Cells by a CRISPR System. Transplantation Proceedings, 2016, 48, 1320-1322.	0.6	0
148	Fertilization defects in sperm fromCysteine-rich secretory protein 2(Crisp2) knockout mice: implications for fertility disorders. Molecular Human Reproduction, 2016, 22, 240-251.	2.8	42
149	GPI-AP release in cellular, developmental, and reproductive biology. Journal of Lipid Research, 2016, 57, 538-545.	4.2	54
150	Behavior of Mouse Spermatozoa in the Female Reproductive Tract from Soon after Mating to the Beginning of Fertilization1. Biology of Reproduction, 2016, 94, 80.	2.7	108
151	The Mg2+ transporter CNNM4 regulates sperm Ca2+ homeostasis and it is essential for reproduction. Journal of Cell Science, 2016, 129, 1940-9.	2.0	36
152	A Role of TMEM16E Carrying a Scrambling Domain in Sperm Motility. Molecular and Cellular Biology, 2016, 36, 645-659.	2.3	64
153	Genome engineering uncovers 54 evolutionarily conserved and testis-enriched genes that are not required for male fertility in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7704-7710.	7.1	134
154	Calreticulin is required for development of the cumulus oocyte complex and female fertility. Scientific Reports, 2015, 5, 14254.	3.3	41
155	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
156	Double strand break repair by capture of retrotransposon sequences and reverse-transcribed spliced mRNA sequences in mouse zygotes. Scientific Reports, 2015, 5, 12281.	3.3	45
157	Calreticulin Regulates Neointima Formation and Collagen Deposition following Carotid Artery Ligation. Journal of Vascular Research, 2015, 52, 306-320.	1.4	16
158	Calcitonin Receptor Signaling Inhibits Muscle Stem Cells from Escaping the Quiescent State and the Niche. Cell Reports, 2015, 13, 302-314.	6.4	88
159	Elf5-centered transcription factor hub controls trophoblast stem cell self-renewal and differentiation through stoichiometry-sensitive shifts in target gene networks. Genes and Development, 2015, 29, 2435-2448.	5.9	93
160	CRISPR/Cas9-Mediated Rapid Generation of Multiple Mouse Lines Identified Ccdc63 as Essential for Spermiogenesis. International Journal of Molecular Sciences, 2015, 16, 24732-24750.	4.1	51
161	APJ Regulates Parallel Alignment of Arteries and Veins in the Skin. Developmental Cell, 2015, 33, 247-259.	7.0	65
162	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

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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.	2.8	68
165	Sperm calcineurin inhibition prevents mouse fertility with implications for male contraceptive. Science, 2015, 350, 442-445.	12.6	137
166	Sperm Postacrosomal WW Domain-Binding Protein Is Not Required for Mouse Egg Activation1. Biology of Reproduction, 2015, 93, 94.	2.7	51
167	Pluripotent Stem Cells Derived From Mouse Primordial Germ Cells by Small Molecule Compounds. Stem Cells, 2015, 33, 45-55.	3.2	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.	2.5	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.	1.6	11
170	Liver-Specific Î³-Glutamyl Carboxylase-Deficient Mice Display Bleeding Diathesis and Short Life Span. PLoS ONE, 2014, 9, e88643.	2.5	11
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