

# Naomi Nakagata

## List of Publications by Year in descending order

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195  
papers

8,551  
citations

66234

42  
h-index

54797

84  
g-index

206  
all docs

206  
docs citations

206  
times ranked

9218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of oxidative stress by ATM is required for self-renewal of haematopoietic stem cells. <i>Nature</i> , 2004, 431, 997-1002.	13.7	1,084
2	Antithrombin prevents reperfusion-induced hepatic apoptosis by enhancing insulin-like growth factor-I production in mice. <i>Critical Care Medicine</i> , 2008, 36, 971-974.	0.4	528
3	Stimulation of Fc $\gamma$ RI on Primary Sensory Neurons Increases Insulin-Like Growth Factor-I Production, Thereby Reducing Reperfusion-Induced Renal Injury in Mice. <i>Journal of Immunology</i> , 2010, 185, 1303-1310.	0.4	524
4	Angiotensin-like Protein 2 Promotes Chronic Adipose Tissue Inflammation and Obesity-Related Systemic Insulin Resistance. <i>Cell Metabolism</i> , 2009, 10, 178-188.	7.2	302
5	Angiotensin-related growth factor antagonizes obesity and insulin resistance. <i>Nature Medicine</i> , 2005, 11, 400-408.	15.2	194
6	Methyl-Beta-Cyclodextrin Improves Fertilizing Ability of C57BL/6 Mouse Sperm after Freezing and Thawing by Facilitating Cholesterol Efflux from the Cells. <i>Biology of Reproduction</i> , 2008, 78, 546-551.	1.2	154
7	Reduced Glutathione Enhances Fertility of Frozen/Thawed C57BL/6 Mouse Sperm after Exposure to Methyl-Beta-Cyclodextrin. <i>Biology of Reproduction</i> , 2011, 85, 1066-1072.	1.2	148
8	Molecular analysis of coordinated bladder and urogenital organ formation by Hedgehog signaling. <i>Development (Cambridge)</i> , 2007, 134, 525-533.	1.2	134
9	Angiotensin-related growth factor (AGF) promotes epidermal proliferation, remodeling, and regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9494-9499.	3.3	112
10	Genetic Interactions of the Androgen and Wnt/ $\beta$ -Catenin Pathways for the Masculinization of External Genitalia. <i>Molecular Endocrinology</i> , 2009, 23, 871-880.	3.7	109
11	Simple and Efficient Vitrification Procedure for Cryopreservation of Mouse Embryos. <i>Experimental Animals</i> , 1997, 46, 231-234.	0.7	106
12	Positive Effect of Partial Zona-Pellucida Dissection on the in Vitro Fertilizing Capacity of Cryopreserved C57BL/6J Transgenic Mouse Spermatozoa of Low Motility. <i>Biology of Reproduction</i> , 1997, 57, 1050-1055.	1.2	96
13	Superovulation Using the Combined Administration of Inhibin Antiserum and Equine Chorionic Gonadotropin Increases the Number of Ovulated Oocytes in C57BL/6 Female Mice. <i>PLoS ONE</i> , 2015, 10, e0128330.	1.1	92
14	HPGCD Outperforms HPBCD as a Potential Treatment for Niemann-Pick Disease Type C During Disease Modeling with iPS Cells. <i>Stem Cells</i> , 2015, 33, 1075-1088.	1.4	88
15	LGR4 Regulates the Postnatal Development and Integrity of Male Reproductive Tracts in Mice. <i>Biology of Reproduction</i> , 2007, 76, 303-313.	1.2	86
16	<i>Kif26b</i> , a kinesin family gene, regulates adhesion of the embryonic kidney mesenchyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9240-9245.	3.3	84
17	Loss of PGC-specific expression of the orphan nuclear receptor ERR $\beta$ results in reduction of germ cell number in mouse embryos. <i>Mechanisms of Development</i> , 2004, 121, 237-246.	1.7	80
18	Cryopreservation of Mouse Spermatozoa from Inbred and Hybrid Strains. <i>Experimental Animals</i> , 1993, 42, 317-320.	0.7	78

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19	Efficacy of 2-Hydroxypropyl- $\beta$ -cyclodextrin in Niemann-Pick Disease Type C Model Mice and Its Pharmacokinetic Analysis in a Patient with the Disease. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 844-851.	0.6	77
20	Gli1 Protein Participates in Hedgehog-mediated Specification of Osteoblast Lineage during Endochondral Ossification. <i>Journal of Biological Chemistry</i> , 2012, 287, 17860-17869.	1.6	75
21	CD163 Is Required for Protumoral Activation of Macrophages in Human and Murine Sarcoma. <i>Cancer Research</i> , 2018, 78, 3255-3266.	0.4	75
22	Cardiomyocyte Sirt (Sirtuin) 7 Ameliorates Stress-Induced Cardiac Hypertrophy by Interacting With and Deacetylating GATA4. <i>Hypertension</i> , 2020, 75, 98-108.	1.3	74
23	Decrease of Fertilizing Ability of Mouse Spermatozoa after Freezing and Thawing Is Related to Cellular Injury. <i>Biology of Reproduction</i> , 2004, 71, 973-978.	1.2	73
24	The Role of Sonic Hedgehog-Gli2 Pathway in the Masculinization of External Genitalia. <i>Endocrinology</i> , 2011, 152, 2894-2903.	1.4	66
25	VMAT2 identified as a regulator of late-stage $\beta$ -cell differentiation. <i>Nature Chemical Biology</i> , 2014, 10, 141-148.	3.9	63
26	Improvement in the long-term stability of freeze-dried mouse spermatozoa by adding of a chelating agent. <i>Cryobiology</i> , 2006, 53, 279-282.	0.3	62
27	SH2-B Is Required for Both Male and Female Reproduction. <i>Molecular and Cellular Biology</i> , 2002, 22, 3066-3077.	1.1	61
28	Aliskiren Enhances the Protective Effects of Valsartan Against Cardiovascular and Renal Injury in Endothelial Nitric Oxide Synthase-Deficient Mice. <i>Hypertension</i> , 2009, 54, 633-638.	1.3	60
29	Growth retardation in rats whose growth hormone gene expression was suppressed by antisense RNA transgene. <i>Molecular Reproduction and Development</i> , 1993, 36, 53-58.	1.0	59
30	Characterization of an exchangeable gene trap using pU-17 carrying a stop codon-beta-gal cassette. <i>Development Growth and Differentiation</i> , 2005, 47, 163-172.	0.6	57
31	Resveratrol improves cognitive function in mice by increasing production of insulin-like growth factor-I in the hippocampus. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 1150-1159.	1.9	56
32	Administration of capsaicin and isoflavone promotes hair growth by increasing insulin-like growth factor-I production in mice and in humans with alopecia. <i>Growth Hormone and IGF Research</i> , 2007, 17, 408-415.	0.5	55
33	Hedgehog-Gli Activators Direct Osteo-chondrogenic Function of Bone Morphogenetic Protein toward Osteogenesis in the Perichondrium. <i>Journal of Biological Chemistry</i> , 2013, 288, 9924-9932.	1.6	53
34	Hlf marks the developmental pathway for hematopoietic stem cells but not for erythro-myeloid progenitors. <i>Journal of Experimental Medicine</i> , 2019, 216, 1599-1614.	4.2	53
35	Degradation of amyloid beta by human induced pluripotent stem cell-derived macrophages expressing Neprilysin-2. <i>Stem Cell Research</i> , 2014, 13, 442-453.	0.3	52
36	Positive Regulation of Steroidogenic Acute Regulatory Protein Gene Expression through the Interaction between Dlx and GATA-4 for Testicular Steroidogenesis. <i>Endocrinology</i> , 2008, 149, 2090-2097.	1.4	49

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37	Cryopreservation of Mouse Spermatozoa and In Vitro Fertilization. <i>Methods in Molecular Biology</i> , 2011, 693, 57-73.	0.4	49
38	Relation between storage temperature and fertilizing ability of freeze-dried mouse spermatozoa. <i>Comparative Medicine</i> , 2005, 55, 140-4.	0.4	48
39	Sexually dimorphic expression of <i>Mafb</i> regulates masculinization of the embryonic urethral formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16407-16412.	3.3	47
40	Production of knockout mice by DNA microinjection of various CRISPR/Cas9 vectors into freeze-thawed fertilized oocytes. <i>BMC Biotechnology</i> , 2015, 15, 33.	1.7	45
41	Donepezil Improves Cognitive Function in Mice by Increasing the Production of Insulin-Like Growth Factor-I in the Hippocampus. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 330, 2-12.	1.3	43
42	Germinal center-associated nuclear protein contributes to affinity maturation of B cell antigen receptor in T cell-dependent responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1010-1015.	3.3	42
43	Embryonic hair follicle fate change by augmented $\beta$ -catenin through Shh and Bmp signaling. <i>Development (Cambridge)</i> , 2009, 136, 367-372.	1.2	40
44	Abnormal urethra formation in mouse models of Split-hand/split-foot malformation type 1 and type 4. <i>European Journal of Human Genetics</i> , 2008, 16, 36-44.	1.4	39
45	Effect of topical application of raspberry ketone on dermal production of insulin-like growth factor-I in mice and on hair growth and skin elasticity in humans. <i>Growth Hormone and IGF Research</i> , 2008, 18, 335-344.	0.5	38
46	Lipocalin 2 binds to membrane phosphatidylethanolamine to induce lipid raft movement in a PKA-dependent manner and modulates sperm maturation. <i>Development (Cambridge)</i> , 2014, 141, 2157-2164.	1.2	38
47	Contribution of Sensory Neurons to Sex Difference in the Development of Stress-Induced Gastric Mucosal Injury in Mice. <i>Gastroenterology</i> , 2006, 131, 1826-1834.	0.6	36
48	Akt1-mediated Skeletal Muscle Growth Attenuates Cardiac Dysfunction and Remodeling After Experimental Myocardial Infarction. <i>Circulation: Heart Failure</i> , 2012, 5, 116-125.	1.6	36
49	The Hedgehog Signal Induced Modulation of Bone Morphogenetic Protein Signaling: An Essential Signaling Relay for Urinary Tract Morphogenesis. <i>PLoS ONE</i> , 2012, 7, e42245.	1.1	35
50	Evaluation of an antisense RNA transgene for inhibiting growth hormone gene expression in transgenic rats. <i>Genesis</i> , 1995, 16, 273-277.	3.1	34
51	Experimental Evaluation of Cross-contamination between Cryotubes Containing Mouse 2-cell Embryos and Murine Pathogens in Liquid Nitrogen Tanks. <i>Experimental Animals</i> , 2003, 52, 67-70.	0.7	34
52	Lineage-specific RUNX2 super-enhancer activates MYC and promotes the development of blastic plasmacytoid dendritic cell neoplasm. <i>Nature Communications</i> , 2019, 10, 1653.	5.8	34
53	Intracerebroventricular Infusion of Angiotensin-(1-7) Ameliorates Cognitive Impairment and Memory Dysfunction in a Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 127-133.	1.2	33
54	Applications of cryopreserved unfertilized mouse oocytes for in vitro fertilization. <i>Cryobiology</i> , 2013, 67, 188-192.	0.3	32

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55	Tissue-specific roles of FGF signaling in external genitalia development. <i>Developmental Dynamics</i> , 2015, 244, 759-773.	0.8	32
56	Relationship of strain-dependent susceptibility to experimentally induced acute pancreatitis with regulation of Prss1 and Spink3 expression. <i>Laboratory Investigation</i> , 2010, 90, 654-664.	1.7	31
57	Cilostazol improves cognitive function in mice by increasing the production of insulin-like growth factor-I in the hippocampus. <i>Neuropharmacology</i> , 2010, 58, 774-783.	2.0	31
58	Cryopreservation of spermatozoa from closed colonies, and inbred, spontaneous mutant, and transgenic strains of rats. <i>Comparative Medicine</i> , 2003, 53, 639-41.	0.4	31
59	Region-specific regulation of cell proliferation by FGF receptor signaling during the Wolffian duct development. <i>Developmental Biology</i> , 2015, 400, 139-147.	0.9	30
60	History of cryobiology, with special emphasis in evolution of mouse sperm cryopreservation. <i>Cryobiology</i> , 2018, 82, 57-63.	0.3	30
61	Zinc Deficiency via a Splice Switch in Zinc Importer ZIP2/SLC39A2 Causes Cystic Fibrosis-Associated MUC5AC Hypersecretion in Airway Epithelial Cells. <i>EBioMedicine</i> , 2018, 27, 304-316.	2.7	29
62	Murine neonatal ketogenesis preserves mitochondrial energetics by preventing protein hyperacetylation. <i>Nature Metabolism</i> , 2021, 3, 196-210.	5.1	29
63	Dietary isoflavone increases insulin-like growth factor-I production, thereby promoting hair growth in mice. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 227-233.	1.9	28
64	A Potential Neuroprotective Role of Apolipoprotein E-containing Lipoproteins through Low Density Lipoprotein Receptor-related Protein 1 in Normal Tension Glaucoma. <i>Journal of Biological Chemistry</i> , 2012, 287, 25395-25406.	1.6	28
65	Reduced BMP Signaling Results in Hindlimb Fusion with Lethal Pelvic/Urogenital Organ Aplasia: A New Mouse Model of Sirenomelia. <i>PLoS ONE</i> , 2012, 7, e43453.	1.1	28
66	Systematic stereoscopic analyses for cloacal development: The origin of anorectal malformations. <i>Scientific Reports</i> , 2015, 5, 13943.	1.6	28
67	Ultra-superovulation for the CRISPR-Cas9-mediated production of gene-knockout, single-amino-acid-substituted, and floxed mice. <i>Biology Open</i> , 2016, 5, 1142-1148.	0.6	28
68	Transient Mild Cerebral Ischemia Significantly Deteriorated Cognitive Impairment in a Mouse Model of Alzheimer's Disease via Angiotensin AT1 Receptor. <i>American Journal of Hypertension</i> , 2017, 30, 141-150.	1.0	28
69	Studies on Cryopreservation of Embryos and Gametes in Mice.. <i>Experimental Animals</i> , 1995, 44, 1-8.	0.7	27
70	Long-term cryopreservation of mouse sperm. <i>Theriogenology</i> , 2006, 66, 1098-1101.	0.9	26
71	Application of Laser-Assisted Zona Drilling to In Vitro Fertilization of Cryopreserved Mouse Oocytes with Spermatozoa from a Subfertile Transgenic Mouse. <i>Journal of Reproduction and Development</i> , 2006, 52, 601-606.	0.5	26
72	Genetic Analysis of Hedgehog Signaling in Ventral Body Wall Development and the Onset of Omphalocele Formation. <i>PLoS ONE</i> , 2011, 6, e16260.	1.1	26

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73	Centralized mouse repositories. <i>Mammalian Genome</i> , 2012, 23, 559-571.	1.0	25
74	Loss of <i>Folliculin</i> Disrupts Hematopoietic Stem Cell Quiescence and Homeostasis Resulting in Bone Marrow Failure. <i>Stem Cells</i> , 2016, 34, 1068-1082.	1.4	25
75	Electroporation-mediated genome editing in vitrified/warmed mouse zygotes created by IVF via ultra-superovulation. <i>Experimental Animals</i> , 2018, 67, 535-543.	0.7	25
76	Importance of primary culture conditions for the development of rat ICSI embryos and long-term preservation of freeze-dried sperm. <i>Cryobiology</i> , 2009, 58, 293-297.	0.3	24
77	Establishment of a transport system for mouse epididymal sperm at refrigerated temperatures. <i>Cryobiology</i> , 2012, 65, 163-168.	0.3	24
78	In Vitro Fertilization in Mice Using the MBCD-GSH Protocol. <i>Current Protocols in Mouse Biology</i> , 2014, 4, 67-83.	1.2	24
79	Use of frozen-thawed oocytes for efficient production of normal offspring from cryopreserved mouse spermatozoa showing low fertility. <i>Comparative Medicine</i> , 2005, 55, 136-9.	0.4	24
80	$\beta$ -Defensin overexpression induces progressive muscle degeneration in mice. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C2141-C2149.	2.1	23
81	Birth of mice from vitrified/warmed 2-cell embryos transported at a cold temperature. <i>Cryobiology</i> , 2009, 58, 196-202.	0.3	23
82	Novel migrating mouse neural crest cell assay system utilizing PO-Cre/EGFP fluorescent time-lapse imaging. <i>BMC Developmental Biology</i> , 2011, 11, 68.	2.1	23
83	Antithrombin reduces reperfusion-induced liver injury in mice by enhancing sensory neuron activation. <i>Thrombosis and Haemostasis</i> , 2006, 95, 788-795.	1.8	23
84	Production of Normal Young Following Insemination of Frozen-thawed Mouse Spermatozoa into Fallopian Tubes of Pseudopregnant Females. <i>Experimental Animals</i> , 1992, 41, 519-522.	0.7	22
85	Fertilization of C57BL/6 mouse sperm collected from cauda epididymides after preservation or transportation at 4°C using laser-microdissected oocytes. <i>Cryobiology</i> , 2009, 59, 59-62.	0.3	22
86	Nonmyocytic Androgen Receptor Regulates the Sexually Dimorphic Development of the Embryonic Bulbocavernosus Muscle. <i>Endocrinology</i> , 2014, 155, 2467-2479.	1.4	22
87	Dimethyl sulfoxide and quercetin prolong the survival, motility, and fertility of cold-stored mouse sperm for 10 days. <i>Biology of Reproduction</i> , 2017, 97, 883-891.	1.2	22
88	STAT3 inhibition attenuates the progressive phenotypes of Alport syndrome mouse model. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 214-223.	0.4	22
89	Cryopreservation of Transgenic Mouse Lines. , 2002, 180, 207-228.		21
90	Folliculin Regulates Osteoclastogenesis Through Metabolic Regulation. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1785-1798.	3.1	21

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91	Effects of Topical Application of $\beta$ -D-Glucosylglycerol on Dermal Levels of Insulin-Like Growth Factor-I in Mice and on Facial Skin Elasticity in Humans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 759-765.	0.6	20
92	Influence of Npc1 genotype on the toxicity of hydroxypropyl- $\beta$ -cyclodextrin, a potentially therapeutic agent, in Niemann-Pick Type C disease models. <i>Molecular Genetics and Metabolism Reports</i> , 2014, 1, 19-30.	0.4	20
93	Short-term storage and transport at cold temperatures of 2-cell mouse embryos produced by cryopreserved sperm. <i>Journal of the American Association for Laboratory Animal Science</i> , 2010, 49, 415-9.	0.6	20
94	GANP suppresses DNA recombination, measured by direct-repeat $\beta$ -galactosidase gene construct, but does not suppress the type of recombination applying to immunoglobulin genes in mammalian cells. <i>Genes To Cells</i> , 2007, 12, 1205-1213.	0.5	19
95	Establishment of germline-competent embryonic stem cell lines from the MSM/Ms strain. <i>Mammalian Genome</i> , 2009, 20, 14-20.	1.0	19
96	Stimulation of sensory neurons improves cognitive function by promoting the hippocampal production of insulin-like growth factor-I in mice. <i>Translational Research</i> , 2009, 154, 90-102.	2.2	19
97	Midline-derived Shh regulates mesonephric tubule formation through the paraxial mesoderm. <i>Developmental Biology</i> , 2014, 386, 216-226.	0.9	19
98	In Vitro Fertilization in Mice. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.prot094524.	0.2	19
99	Effect of the Intestinal Flora on Amyloid Deposition in a Transgenic Mouse Model of Familial Amyloidotic Polyneuropathy. <i>Experimental Animals</i> , 2002, 51, 309-316.	0.7	18
100	Current Activities of CARD as an International Core Center for Mouse Resources. <i>Experimental Animals</i> , 2009, 58, 343-350.	0.7	18
101	Genetic analysis of the role of Alx4 in the coordination of lower body and external genitalia formation. <i>European Journal of Human Genetics</i> , 2014, 22, 350-357.	1.4	18
102	Investigations of motility and fertilization potential in thawed cryopreserved mouse sperm from cold-stored epididymides. <i>Cryobiology</i> , 2014, 68, 12-17.	0.3	18
103	Cysteine Analogs with a Free Thiol Group Promote Fertilization by Reducing Disulfide Bonds in the Zona Pellucida of Mice. <i>Biology of Reproduction</i> , 2015, 92, 90.	1.2	18
104	GANP protein encoded on human chromosome 21/mouse chromosome 10 is associated with resistance to mammary tumor development. <i>Cancer Science</i> , 2016, 107, 469-477.	1.7	18
105	Metformin ameliorates the severity of experimental Alport syndrome. <i>Scientific Reports</i> , 2021, 11, 7053.	1.6	18
106	Cryopreservation and Transport of Mouse Spermatozoa at -79. DEG.C... <i>Experimental Animals</i> , 2001, 50, 83-86.	0.7	17
107	The improvement in fertilizing ability of cryopreserved mouse spermatozoa using laser-microdissected oocytes. <i>Reproductive Medicine and Biology</i> , 2006, 5, 249-253.	1.0	17
108	Regression of intestinal adenomas by vaccination with heat shock protein 105-pulsed bone marrow-derived dendritic cells in $Apc^{Min/+}$ mice. <i>Cancer Science</i> , 2007, 98, 1930-1935.	1.7	17



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109	The floor plate is sufficient for development of the sclerotome and spine without the notochord. <i>Mechanisms of Development</i> , 2011, 128, 129-140.	1.7	17
110	Gene-trap mutagenesis using Mol/MSM-1 embryonic stem cells from MSM/Ms mice. <i>Mammalian Genome</i> , 2013, 24, 228-239.	1.0	17
111	Ectopic Expression of Ptf1a Induces Spinal Defects, Urogenital Defects, and Anorectal Malformations in Danforth's Short Tail Mice. <i>PLoS Genetics</i> , 2013, 9, e1003204.	1.5	17
112	Pharmacological and genetic reappraisals of protease and oxidative stress pathways in a mouse model of obstructive lung diseases. <i>Scientific Reports</i> , 2016, 6, 39305.	1.6	17
113	Immunotherapy using inhibin antiserum enhanced the efficacy of equine chorionic gonadotropin on superovulation in major inbred and outbred mice strains. <i>Theriogenology</i> , 2016, 86, 1341-1346.	0.9	17
114	A novel splice site mutation of myosin VI in mice leads to stereociliary fusion caused by disruption of actin networks in the apical region of inner ear hair cells. <i>PLoS ONE</i> , 2017, 12, e0183477.	1.1	17
115	In Vitro and In Vivo Evaluation of 6-O- $\alpha$ -Maltosyl- $\beta$ -Cyclodextrin as a Potential Therapeutic Agent Against Niemann-Pick Disease Type C. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1152.	1.8	17
116	Impaired expression of importin/karyopherin $\beta$ 1 leads to post-implantation lethality. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 132-138.	1.0	16
117	Database for exchangeable gene trap clones: Pathway and gene ontology analysis of exchangeable gene trap clone mouse lines. <i>Development Growth and Differentiation</i> , 2014, 56, 161-174.	0.6	16
118	Fertility of cold-stored mouse sperm is recovered by promoting acrosome reaction and hyperactivation after cholesterol efflux by methyl-beta-cyclodextrin. <i>Biology of Reproduction</i> , 2017, 96, 446-455.	1.2	16
119	The CARD Method for Mouse Sperm Cryopreservation and In Vitro Fertilization Using Frozen-Thawed Sperm. <i>Methods in Molecular Biology</i> , 2019, 1874, 243-256.	0.4	16
120	Cryopreservation of Unfertilized Mouse Oocytes from Inbred Strains by Ultrarapid Freezing. <i>Experimental Animals</i> , 1990, 39, 303-305.	0.7	15
121	Production of Chimeric Mice from Cryopreserved Blastocysts. <i>Experimental Animals</i> , 1998, 47, 167-171.	0.7	15
122	Transporting Mouse Embryos and Germplasm as Frozen or Unfrozen Materials. <i>Current Protocols in Mouse Biology</i> , 2014, 4, 47-65.	1.2	15
123	Effects of cyclodextrins on GM1-gangliosides in fibroblasts from GM1-gangliosidosis patients. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1133-1142.	1.2	15
124	In vivo Efficacy and Safety Evaluation of Lactosyl- $\beta$ -cyclodextrin as a Therapeutic Agent for Hepatomegaly in Niemann-Pick Type C Disease. <i>Nanomaterials</i> , 2019, 9, 802.	1.9	15
125	Mesenchymal actomyosin contractility is required for androgen-driven urethral masculinization in mice. <i>Communications Biology</i> , 2019, 2, 95.	2.0	15
126	Higher Blood Uric Acid in Female Humans and Mice as a Protective Factor against Pathophysiological Decline of Lung Function. <i>Antioxidants</i> , 2020, 9, 387.	2.2	15



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127	Antagonistic crosstalk of Wnt/ $\beta$ -catenin/Bmp signaling within the Apical Ectodermal Ridge (AER) regulates interdigit formation. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1653-1657.	1.0	14
128	Retinoic Acid Signaling Regulates Sonic Hedgehog and Bone Morphogenetic Protein Signalings During Genital Tubercle Development. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2012, 95, 79-88.	1.4	14
129	Culture time of vitrified/warmed zygotes before microinjection affects the production efficiency of CRISPR-Cas9-mediated knock-in mice. <i>Biology Open</i> , 2017, 6, 706-713.	0.6	14
130	Tsukushi is essential for the development of the inner ear. <i>Molecular Brain</i> , 2020, 13, 29.	1.3	14
131	Dysfunction of the proteoglycan Tsukushi causes hydrocephalus through altered neurogenesis in the subventricular zone in mice. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	14
132	Failure of Effector Function of Human CD8+ T Cells in NOD/SCID/JAK3 $\Delta^{\sim}$ / $\Delta^{\sim}$ Immunodeficient Mice Transplanted with Human CD34+ Hematopoietic Stem Cells. <i>PLoS ONE</i> , 2010, 5, e13109.	1.1	14
133	Prolonged exposure to hyaluronidase decreases the fertilization and development rates of fresh and cryopreserved mouse oocytes. <i>Journal of Reproduction and Development</i> , 2014, 60, 454-459.	0.5	13
134	Essential Roles of Epithelial Bone Morphogenetic Protein Signaling During Prostatic Development. <i>Endocrinology</i> , 2014, 155, 2534-2544.	1.4	13
135	Contemporary Techniques for Freezing Mouse Spermatozoa. <i>Current Protocols in Mouse Biology</i> , 2014, 4, 85-104.	1.2	13
136	Identification of a population of cells with hematopoietic stem cell properties in mouse aorta-gonad-mesonephros cultures. <i>Experimental Cell Research</i> , 2007, 313, 965-974.	1.2	12
137	Rescue <i>In Vitro</i> Fertilization Method for Legacy Stock of Frozen Mouse Sperm. <i>Journal of Reproduction and Development</i> , 2014, 60, 168-171.	0.5	12
138	Application of Oocyte Cryopreservation Technology in TALEN-Mediated Mouse Genome Editing. <i>Experimental Animals</i> , 2014, 63, 349-355.	0.7	12
139	N-acetyl cysteine prolonged the developmental ability of mouse two-cell embryos against oxidative stress at refrigerated temperatures. <i>Cryobiology</i> , 2016, 72, 198-204.	0.3	12
140	Bmp4 is an essential growth factor for the initiation of genital tubercle (GT) outgrowth. <i>Congenital Anomalies (discontinued)</i> , 2020, 60, 15-21.	0.3	12
141	Successful selection of mouse sperm with high viability and fertility using microfluidics chip cell sorter. <i>Scientific Reports</i> , 2020, 10, 8862.	1.6	12
142	Differential mode of cholesterol inclusion with 2-hydroxypropyl- $\beta$ -cyclodextrins increases safety margin in treatment of Niemann-Pick disease type C. <i>British Journal of Pharmacology</i> , 2021, 178, 2727-2746.	2.7	12
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