

Naomi Nakagata

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196
papers

7,179
citations

38
h-index

78
g-index

206
ext. papers

7,930
ext. citations

4.4
avg, IF

5.66
L-index

#	Paper	IF	Citations
196	Regulation of oxidative stress by ATM is required for self-renewal of haematopoietic stem cells. <i>Nature</i> , 2004 , 431, 997-1002	50.4	961
195	Stimulation of sensory neurons by capsaicin increases tissue levels of IGF-I, thereby reducing reperfusion-induced apoptosis in mice. <i>Neuropharmacology</i> , 2007 , 52, 1303-11	5.5	541
194	Antithrombin prevents reperfusion-induced hepatic apoptosis by enhancing insulin-like growth factor-I production in mice. <i>Critical Care Medicine</i> , 2008 , 36, 971-4	1.4	519
193	Stimulation of Fc gammaRI 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, 1303-10	5.3	511
192	Angiopoietin-like protein 2 promotes chronic adipose tissue inflammation and obesity-related systemic insulin resistance. <i>Cell Metabolism</i> , 2009 , 10, 178-88	24.6	261
191	Angiopoietin-related growth factor antagonizes obesity and insulin resistance. <i>Nature Medicine</i> , 2005 , 11, 400-8	50.5	170
190	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, 546-51	3.9	130
189	Molecular analysis of coordinated bladder and urogenital organ formation by Hedgehog signaling. <i>Development (Cambridge)</i> , 2007 , 134, 525-33	6.6	120
188	Reduced glutathione enhances fertility of frozen/thawed C57BL/6 mouse sperm after exposure to methyl-beta-cyclodextrin. <i>Biology of Reproduction</i> , 2011 , 85, 1066-72	3.9	111
187	Angiopoietin-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, 9494-9	11.5	93
186	Genetic interactions of the androgen and Wnt/beta-catenin pathways for the masculinization of external genitalia. <i>Molecular Endocrinology</i> , 2009 , 23, 871-80		92
185	Simple and efficient vitrification procedure for cryopreservation of mouse embryos. <i>Experimental Animals</i> , 1997 , 46, 231-4	1.8	90
184	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, 1050-5	3.9	88
183	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	3.7	76
182	LGR4 regulates the postnatal development and integrity of male reproductive tracts in mice. <i>Biology of Reproduction</i> , 2007 , 76, 303-13	3.9	75
181	Kif26b, 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, 9240-5	11.5	73
180	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, 1075-88	5.8	71

179	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, 237-46	1.7	67
178	Decrease of fertilizing ability of mouse spermatozoa after freezing and thawing is related to cellular injury. <i>Biology of Reproduction</i> , 2004 , 71, 973-8	3.9	65
177	Gli1 protein participates in Hedgehog-mediated specification of osteoblast lineage during endochondral ossification. <i>Journal of Biological Chemistry</i> , 2012 , 287, 17860-17869	5.4	61
176	The role of sonic hedgehog-Gli2 pathway in the masculinization of external genitalia. <i>Endocrinology</i> , 2011 , 152, 2894-903	4.8	60
175	SH2-B is required for both male and female reproduction. <i>Molecular and Cellular Biology</i> , 2002 , 22, 3066-78	7.8	57
174	Improvement in the long-term stability of freeze-dried mouse spermatozoa by adding of a chelating agent. <i>Cryobiology</i> , 2006 , 53, 279-82	2.7	55
173	Cryopreservation of mouse spermatozoa from inbred and F1 hybrid strains. <i>Experimental Animals</i> , 1993 , 42, 317-20	1.8	55
172	VMAT2 identified as a regulator of late-stage Ecell differentiation. <i>Nature Chemical Biology</i> , 2014 , 10, 141-8	11.7	53
171	Aliskiren enhances the protective effects of valsartan against cardiovascular and renal injury in endothelial nitric oxide synthase-deficient mice. <i>Hypertension</i> , 2009 , 54, 633-8	8.5	53
170	Growth retardation in rats whose growth hormone gene expression was suppressed by antisense RNA transgene. <i>Molecular Reproduction and Development</i> , 1993 , 36, 53-8	2.6	52
169	Efficacy of 2-Hydroxypropyl-β-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, 844-51	2.3	50
168	Characterization of an exchangeable gene trap using pU-17 carrying a stop codon-beta geo cassette. <i>Development Growth and Differentiation</i> , 2005 , 47, 163-72	3	50
167	CD163 Is Required for Protumoral Activation of Macrophages in Human and Murine Sarcoma. <i>Cancer Research</i> , 2018 , 78, 3255-3266	10.1	49
166	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, 1150-9	6.3	49
165	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	5.4	47
164	Relation between storage temperature and fertilizing ability of freeze-dried mouse spermatozoa. <i>Comparative Medicine</i> , 2005 , 55, 140-4	1.6	46
163	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, 408-15	2	42
162	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, 2090-7	4.8	41

161	Production of knockout mice by DNA microinjection of various CRISPR/Cas9 vectors into freeze-thawed fertilized oocytes. <i>BMC Biotechnology</i> , 2015 , 15, 33	3.5	39
160	Degradation of amyloid beta by human induced pluripotent stem cell-derived macrophages expressing Nepriylsin-2. <i>Stem Cell Research</i> , 2014 , 13, 442-53	1.6	38
159	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	4.7	38
158	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, 1010-5	11.5	38
157	Cryopreservation of mouse spermatozoa and in vitro fertilization. <i>Methods in Molecular Biology</i> , 2011 , 693, 57-73	1.4	36
156	Contribution of sensory neurons to sex difference in the development of stress-induced gastric mucosal injury in mice. <i>Gastroenterology</i> , 2006 , 131, 1826-34	13.3	35
155	Embryonic hair follicle fate change by augmented beta-catenin through Shh and Bmp signaling. <i>Development (Cambridge)</i> , 2009 , 136, 367-72	6.6	34
154	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	5.3	34
153	Sexually dimorphic expression of Mafb regulates masculinization of the embryonic urethral formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16407-12	11.5	32
152	Akt1-mediated skeletal muscle growth attenuates cardiac dysfunction and remodeling after experimental myocardial infarction. <i>Circulation: Heart Failure</i> , 2012 , 5, 116-25	7.6	32
151	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, 335-44	2	32
150	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	3.7	31
149	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, 2157-64	6.6	30
148	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	1.8	30
147	Evaluation of an antisense RNA transgene for inhibiting growth hormone gene expression in transgenic rats. <i>Genesis</i> , 1995 , 16, 273-7		30
146	Cardiomyocyte Sirt (Sirtuin) 7 Ameliorates Stress-Induced Cardiac Hypertrophy by Interacting With and Deacetylating GATA4. <i>Hypertension</i> , 2020 , 75, 98-108	8.5	30
145	Applications of cryopreserved unfertilized mouse oocytes for in vitro fertilization. <i>Cryobiology</i> , 2013 , 67, 188-92	2.7	29
144	Cilostazol improves cognitive function in mice by increasing the production of insulin-like growth factor-I in the hippocampus. <i>Neuropharmacology</i> , 2010 , 58, 774-83	5.5	28

143	Cryopreservation of spermatozoa from closed colonies, and inbred, spontaneous mutant, and transgenic strains of rats. <i>Comparative Medicine</i> , 2003 , 53, 639-41	1.6	27
142	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, 127-33	4.3	26
141	Lineage-specific RUNX2 super-enhancer activates MYC and promotes the development of blastic plasmacytoid dendritic cell neoplasm. <i>Nature Communications</i> , 2019 , 10, 1653	17.4	25
140	Tissue-specific roles of FGF signaling in external genitalia development. <i>Developmental Dynamics</i> , 2015 , 244, 759-73	2.9	24
139	Centralized mouse repositories. <i>Mammalian Genome</i> , 2012 , 23, 559-71	3.2	24
138	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, 601-6	2.1	24
137	Ultra-superovulation for the CRISPR-Cas9-mediated production of gene-knockout, single-amino-acid-substituted, and floxed mice. <i>Biology Open</i> , 2016 , 5, 1142-8	2.2	24
136	Establishment of a transport system for mouse epididymal sperm at refrigerated temperatures. <i>Cryobiology</i> , 2012 , 65, 163-8	2.7	23
135	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	3.7	23
134	Novel migrating mouse neural crest cell assay system utilizing P0-Cre/EGFP fluorescent time-lapse imaging. <i>BMC Developmental Biology</i> , 2011 , 11, 68	3.1	23
133	Long-term cryopreservation of mouse sperm. <i>Theriogenology</i> , 2006 , 66, 1098-101	2.8	23
132	Studies on cryopreservation of embryos and gametes in mice. <i>Experimental Animals</i> , 1995 , 44, 1-8	1.8	23
131	Genetic analysis of Hedgehog signaling in ventral body wall development and the onset of omphalocele formation. <i>PLoS ONE</i> , 2011 , 6, e16260	3.7	23
130	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	1.6	23
129	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	8.8	22
128	Dietary isoflavone increases insulin-like growth factor-I production, thereby promoting hair growth in mice. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 227-33	6.3	22
127	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	2.3	21
126	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, 293-7	2.7	21

125	Fertilization of C57BL/6 mouse sperm collected from cauda epididymides after preservation or transportation at 4 degrees C using laser-microdissected oocytes. <i>Cryobiology</i> , 2009 , 59, 59-62	2.7	21
124	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, 25395-406	5.4	21
123	Loss of Folliculin Disrupts Hematopoietic Stem Cell Quiescence and Homeostasis Resulting in Bone Marrow Failure. <i>Stem Cells</i> , 2016 , 34, 1068-82	5.8	21
122	Birth of mice from vitrified/warmed 2-cell embryos transported at a cold temperature. <i>Cryobiology</i> , 2009 , 58, 196-202	2.7	20
121	Antithrombin reduces reperfusion-induced liver injury in mice by enhancing sensory neuron activation. <i>Thrombosis and Haemostasis</i> , 2006 , 95, 788-795	7	20
120	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	1.3	20
119	History of cryobiology, with special emphasis in evolution of mouse sperm cryopreservation. <i>Cryobiology</i> , 2018 , 82, 57-63	2.7	19
118	Beta-defensin overexpression induces progressive muscle degeneration in mice. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C2141-9	5.4	19
117	In vitro fertilization in mice using the MBCD-GSH protocol. <i>Current Protocols in Mouse Biology</i> , 2014 , 4, 67-83	1.1	19
116	Region-specific regulation of cell proliferation by FGF receptor signaling during the Wolffian duct development. <i>Developmental Biology</i> , 2015 , 400, 139-47	3.1	18
115	Relationship of strain-dependent susceptibility to experimentally induced acute pancreatitis with regulation of Prss1 and Spink3 expression. <i>Laboratory Investigation</i> , 2010 , 90, 654-64	5.9	18
114	Current activities of CARD as an international core center for mouse resources. <i>Experimental Animals</i> , 2009 , 58, 343-50	1.8	18
113	Cryopreservation of transgenic mouse lines. <i>Methods in Molecular Biology</i> , 2002 , 180, 207-28	1.4	18
112	STAT3 inhibition attenuates the progressive phenotypes of Alport syndrome mouse model. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 214-223	4.3	17
111	Investigations of motility and fertilization potential in thawed cryopreserved mouse sperm from cold-stored epididymides. <i>Cryobiology</i> , 2014 , 68, 12-7	2.7	17
110	Influence of genotype on the toxicity of hydroxypropyl-β-cyclodextrin, a potentially therapeutic agent, in Niemann-Pick Type C disease models. <i>Molecular Genetics and Metabolism Reports</i> , 2014 , 1, 19-30	1.8	17
109	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	3.9	17
108	Systematic stereoscopic analyses for cloacal development: The origin of anorectal malformations. <i>Scientific Reports</i> , 2015 , 5, 13943	4.9	17

107	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, 1205-13	2.3	17
106	Effect of the intestinal flora on amyloid deposition in a transgenic mouse model of familial amyloidotic polyneuropathy. <i>Experimental Animals</i> , 2002 , 51, 309-16	1.8	17
105	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	11	16
104	Production of normal young following insemination of frozen-thawed mouse spermatozoa into fallopian tubes of pseudopregnant females. <i>Experimental Animals</i> , 1992 , 41, 519-22	1.8	16
103	Folliculin Regulates Osteoclastogenesis Through Metabolic Regulation. <i>Journal of Bone and Mineral Research</i> , 2018 , 33, 1785-1798	6.3	15
102	Transporting mouse embryos and germplasm as frozen or unfrozen materials. <i>Current Protocols in Mouse Biology</i> , 2014 , 4, 47-65	1.1	15
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, 350-7	5.3	15
100	Nonmyocytic androgen receptor regulates the sexually dimorphic development of the embryonic bulbocavernosus muscle. <i>Endocrinology</i> , 2014 , 155, 2467-79	4.8	15
99	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	6	15
98	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, 1930-5	6.9	15
97	Impaired expression of importin/karyopherin beta1 leads to post-implantation lethality. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 341, 132-8	3.4	15
96	Cryopreservation and transport of mouse spermatozoa at -79 degrees C. <i>Experimental Animals</i> , 2001 , 50, 83-6	1.8	15
95	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	4.9	15
94	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, 1341-6	2.8	15
93	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	16.6	14
92	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	3.9	14
91	Midline-derived Shh regulates mesonephric tubule formation through the paraxial mesoderm. <i>Developmental Biology</i> , 2014 , 386, 216-26	3.1	14
90	The floor plate is sufficient for development of the sclerotome and spine without the notochord. <i>Mechanisms of Development</i> , 2011 , 128, 129-40	1.7	14

89	Effects of topical application of alpha-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, 759-65	2.1	14
88	The improvement in fertilizing ability of cryopreserved mouse spermatozoa using laser-microdissected oocytes. <i>Reproductive Medicine and Biology</i> , 2006 , 5, 249-253	4.1	14
87	Production of chimeric mice from cryopreserved blastocysts. <i>Experimental Animals</i> , 1998 , 47, 167-71	1.8	14
86	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	3.7	13
85	Electroporation-mediated genome editing in vitrified/warmed mouse zygotes created by IVF via ultra-superovulation. <i>Experimental Animals</i> , 2018 , 67, 535-543	1.8	13
84	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, 1653-7	3.4	13
83	Establishment of germline-competent embryonic stem cell lines from the MSM/Ms strain. <i>Mammalian Genome</i> , 2009 , 20, 14-20	3.2	13
82	Failure of effector function of human CD8+ T Cells in NOD/SCID/JAK3 ^{+/+} immunodeficient mice transplanted with human CD34+ hematopoietic stem cells. <i>PLoS ONE</i> , 2010 , 5, e13109	3.7	13
81	Contemporary techniques for freezing mouse spermatozoa. <i>Current Protocols in Mouse Biology</i> , 2014 , 4, 85-104	1.1	13
80	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, 161-74	3	12
79	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		12
78	In Vitro Fertilization in Mice. <i>Cold Spring Harbor Protocols</i> , 2018 , 2018,	1.2	12
77	Gene-trap mutagenesis using Mol/MSM-1 embryonic stem cells from MSM/Ms mice. <i>Mammalian Genome</i> , 2013 , 24, 228-39	3.2	11
76	Rescue in vitro fertilization method for legacy stock of frozen mouse sperm. <i>Journal of Reproduction and Development</i> , 2014 , 60, 168-71	2.1	11
75	Essential roles of epithelial bone morphogenetic protein signaling during prostatic development. <i>Endocrinology</i> , 2014 , 155, 2534-44	4.8	11
74	The WilmsTumor gene WT1 is a common marker of progenitor cells in fetal liver. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 326, 836-43	3.4	11
73	In Vitro and In Vivo Evaluation of 6-O- β -Maltosyl- β -Cyclodextrin as a Potential Therapeutic Agent Against Niemann-Pick Disease Type C. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
72	Tsukushi is essential for the development of the inner ear. <i>Molecular Brain</i> , 2020 , 13, 29	4.5	10

71	GANP protein encoded on human chromosome 21/mouse chromosome 10 is associated with resistance to mammary tumor development. <i>Cancer Science</i> , 2016 , 107, 469-77	6.9	10
70	Application of oocyte cryopreservation technology in TALEN-mediated mouse genome editing. <i>Experimental Animals</i> , 2014 , 63, 349-55	1.8	10
69	Effects of cyclodextrins on GM1-gangliosides in fibroblasts from GM1-gangliosidosis patients. <i>Journal of Pharmacy and Pharmacology</i> , 2015 , 67, 1133-42	4.8	10
68	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, 454-9	2.1	10
67	Functional analysis of ectodermal E-catenin during external genitalia formation. <i>Congenital Anomalies (discontinued)</i> , 2013 , 53, 34-41	1.1	10
66	Suppression of expression of endoplasmic reticulum chaperones by Helicobacter pylori and its role in exacerbation of non-steroidal anti-inflammatory drug-induced gastric lesions. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37302-13	5.4	10
65	Identification of a population of cells with hematopoietic stem cell properties in mouse aorta-gonad-mesonephros cultures. <i>Experimental Cell Research</i> , 2007 , 313, 965-74	4.2	10
64	Bmp4 is an essential growth factor for the initiation of genital tubercle (GT) outgrowth. <i>Congenital Anomalies (discontinued)</i> , 2020 , 60, 15-21	1.1	10
63	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	3.9	9
62	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	2.7	9
61	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	2.2	8
60	In vivo Efficacy and Safety Evaluation of Lactosyl-β-cyclodextrin as a Therapeutic Agent for Hepatomegaly in Niemann-Pick Type C Disease. <i>Nanomaterials</i> , 2019 , 9,	5.4	7
59	Effects of cyclosporin A administration on gene expression in rat brain. <i>Brain Injury</i> , 2011 , 25, 614-23	2.1	7
58	Cryopreservation of unfertilized mouse oocytes from inbred strains by ultrarapid freezing. <i>Experimental Animals</i> , 1990 , 39, 303-5	1.8	7
57	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	1.4	7
56	Mesenchymal actomyosin contractility is required for androgen-driven urethral masculinization in mice. <i>Communications Biology</i> , 2019 , 2, 95	6.7	6
55	Higher Blood Uric Acid in Female Humans and Mice as a Protective Factor against Pathophysiological Decline of Lung Function. <i>Antioxidants</i> , 2020 , 9,	7.1	6
54	Azithromycin Inhibits Constitutive Airway Epithelial Sodium Channel Activation in Vitro and Modulates Downstream Pathogenesis in Vivo. <i>Biological and Pharmaceutical Bulletin</i> , 2020 , 43, 725-730	2.3	6

53	Induction of superovulation using inhibin antiserum and competence of embryo development in wild large Japanese field mice (<i>Apodemus speciosus</i>). <i>Reproduction in Domestic Animals</i> , 2019 , 54, 1637-1642	1.6	6
52	Transplacental induction of myeloschisis associated with hindbrain crowding and other malformations in the central nervous system in Long-Evans rats. <i>Childs Nervous System</i> , 1985 , 1, 137-44	1.7	6
51	A synthetic retinoic acid receptor agonist Am80 ameliorates renal fibrosis via inducing the production of alpha-1-acid glycoprotein. <i>Scientific Reports</i> , 2020 , 10, 11424	4.9	6
50	Metformin ameliorates the severity of experimental Alport syndrome. <i>Scientific Reports</i> , 2021 , 11, 7053	4.9	6
49	Murine neonatal ketogenesis preserves mitochondrial energetics by preventing protein hyperacetylation. <i>Nature Metabolism</i> , 2021 , 3, 196-210	14.6	6
48	Generation of and characterization of anti-IL-11 antibodies using newly established Il11-deficient mice. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 505, 453-459	3.4	6
47	Successful selection of mouse sperm with high viability and fertility using microfluidics chip cell sorter. <i>Scientific Reports</i> , 2020 , 10, 8862	4.9	5
46	Auto-measure emphysematous parameters and pathophysiological gene expression profiles in experimental mouse models of acute and chronic obstructive pulmonary diseases. <i>Journal of Pharmacological Sciences</i> , 2019 , 140, 113-119	3.7	5
45	N-acetyl cysteine restores the fertility of vitrified-warmed mouse oocytes derived through ultrasuperovulation. <i>PLoS ONE</i> , 2019 , 14, e0224087	3.7	5
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