

Masaru Okabe

List of Publications by Year in descending order

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288
papers

31,597
citations

2543

96
h-index

4641

170
g-index

289
all docs

289
docs citations

289
times ranked

35542
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Adaptor TRIF in the MyD88-Independent Toll-Like Receptor Signaling Pathway. <i>Science</i> , 2003, 301, 640-643.	6.0	2,808
2	“Green mice” as a source of ubiquitous green cells. <i>FEBS Letters</i> , 1997, 407, 313-319.	1.3	2,364
3	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
4	The immunoglobulin superfamily protein Izumo is required for sperm to fuse with eggs. <i>Nature</i> , 2005, 434, 234-238.	13.7	701
5	Mili, a mammalian member of piwi family gene, is essential for spermatogenesis. <i>Development (Cambridge)</i> , 2004, 131, 839-849.	1.2	666
6	Requirement of CD9 on the Egg Plasma Membrane for Fertilization. <i>Science</i> , 2000, 287, 321-324.	6.0	624
7	Innate versus learned odour processing in the mouse olfactory bulb. <i>Nature</i> , 2007, 450, 503-508.	13.7	596
8	PGC7/Stella protects against DNA demethylation in early embryogenesis. <i>Nature Cell Biology</i> , 2007, 9, 64-71.	4.6	493
9	Generating green fluorescent mice by germline transmission of green fluorescent ES cells. <i>Mechanisms of Development</i> , 1998, 76, 79-90.	1.7	464
10	Cis3/Socs3/Ssi3 Plays a Negative Regulatory Role in Stat3 Activation and Intestinal Inflammation. <i>Journal of Experimental Medicine</i> , 2001, 193, 471-482.	4.2	446
11	From The Cover: Dysregulation of TGF- β 1 receptor activation leads to abnormal lung development and emphysema-like phenotype in core fucose-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15791-15796.	3.3	413
12	Mammalian Transgenesis by Intracytoplasmic Sperm Injection. <i>Science</i> , 1999, 284, 1180-1183.	6.0	381
13	Most fertilizing mouse spermatozoa begin their acrosome reaction before contact with the zona pellucida during in vitro fertilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4892-4896.	3.3	357
14	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
15	A histone H3 lysine 36 trimethyltransferase links Nlx2-5 to Wolf’s Hirschhorn syndrome. <i>Nature</i> , 2009, 460, 287-291.	13.7	336
16	Activation of Akt signaling is sufficient to maintain pluripotency in mouse and primate embryonic stem cells. <i>Oncogene</i> , 2006, 25, 2697-2707.	2.6	312
17	Bone Marrow Is a Reservoir of Repopulating Mesangial Cells during Glomerular Remodeling. <i>Journal of the American Society of Nephrology: JASN</i> , 2001, 12, 2625-2635.	3.0	308
18	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

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19	Nestin-EGFP Transgenic Mice: Visualization of the Self-Renewal and Multipotency of CNS Stem Cells. <i>Molecular and Cellular Neurosciences</i> , 2001, 17, 259-273.	1.0	298
20	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
21	The putative chaperone calmeglin is required for sperm fertility. <i>Nature</i> , 1997, 387, 607-611.	13.7	273
22	Fertilization: a sperm's journey to and interaction with the oocyte. <i>Journal of Clinical Investigation</i> , 2010, 120, 984-994.	3.9	254
23	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
24	Signal transducer and activator of transcription 3 in the heart transduces not only a hypertrophic signal but a protective signal against doxorubicin-induced cardiomyopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 315-319.	3.3	248
25	The Class IV Semaphorin CD100 Plays Nonredundant Roles in the Immune System. <i>Immunity</i> , 2000, 13, 633-642.	6.6	247
26	Small interfering RNA and gene silencing in transgenic mice and rats. <i>FEBS Letters</i> , 2002, 532, 227-230.	1.3	236
27	Suppression of STAT5 Functions in Liver, Mammary Glands, and T Cells in Cytokine-Inducible SH2-Containing Protein 1 Transgenic Mice. <i>Molecular and Cellular Biology</i> , 1999, 19, 6396-6407.	1.1	235
28	Progressive Adipocyte Hypertrophy in Aquaporin-7-deficient Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 15493-15496.	1.6	230
29	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
30	Angiotensin-converting enzyme is a GPI-anchored protein releasing factor crucial for fertilization. <i>Nature Medicine</i> , 2005, 11, 160-166.	15.2	218
31	The Ubiquitin Ligase Riplet Is Essential for RIG-I-Dependent Innate Immune Responses to RNA Virus Infection. <i>Cell Host and Microbe</i> , 2010, 8, 496-509.	5.1	218
32	Macrophage Response to Peripheral Nerve Injury: The Quantitative Contribution of Resident and Hematogenous Macrophages. <i>Laboratory Investigation</i> , 2003, 83, 175-185.	1.7	212
33	Functional characterization of a mouse testicular olfactory receptor and its role in chemosensing and in regulation of sperm motility. <i>Journal of Cell Science</i> , 2004, 117, 5835-5845.	1.2	202
34	Urinary Excretion of Fatty Acid-Binding Protein Reflects Stress Overload on the Proximal Tubules. <i>American Journal of Pathology</i> , 2004, 165, 1243-1255.	1.9	201
35	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
36	Amniotic Fluid and Bone Marrow Derived Mesenchymal Stem Cells Can be Converted to Smooth Muscle Cells in the Cryo-Injured Rat Bladder and Prevent Compensatory Hypertrophy of Surviving Smooth Muscle Cells. <i>Journal of Urology</i> , 2007, 177, 369-376.	0.2	193

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37	The Potential of Bone Marrow-Derived Cells to Differentiate to Glomerular Mesangial Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2001, 12, 1401-1409.	3.0	192
38	Neuromedin U has a novel anorexigenic effect independent of the leptin signaling pathway. <i>Nature Medicine</i> , 2004, 10, 1067-1073.	15.2	191
39	ORP150 protects against hypoxia/ischemia-induced neuronal death. <i>Nature Medicine</i> , 2001, 7, 317-323.	15.2	187
40	Regulation of endoplasmic reticulum stress response by a BBF2H7-mediated Sec23a pathway is essential for chondrogenesis. <i>Nature Cell Biology</i> , 2009, 11, 1197-1204.	4.6	181
41	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
42	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
43	<i>Peroxiredoxin 4</i> knockout results in elevated spermatogenic cell death via oxidative stress. <i>Biochemical Journal</i> , 2009, 419, 149-158.	1.7	175
44	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
45	The fusing ability of sperm is bestowed by CD9-containing vesicles released from eggs in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12921-12926.	3.3	172
46	Isolation of angiotensin-converting enzyme inhibitor from tuna muscle. <i>Biochemical and Biophysical Research Communications</i> , 1988, 155, 332-337.	1.0	167
47	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
48	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
49	Molecular cloning of a murine homologue of membrane cofactor protein (CD46): preferential expression in testicular germ cells. <i>Biochemical Journal</i> , 1998, 330, 163-168.	1.7	162
50	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
51	Two independent pathways of maternal cell transmission to offspring: through placenta during pregnancy and by breast-feeding after birth. <i>Immunology</i> , 2000, 101, 570-580.	2.0	160
52	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
53	Expanding the Repertoire of Optogenetically Targeted Cells with an Enhanced Gene Expression System. <i>Cell Reports</i> , 2012, 2, 397-406.	2.9	159
54	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

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55	Treatment of spinal cord injury by transplantation of fetal neural precursor cells engineered to express BMP inhibitor. <i>Experimental Neurology</i> , 2004, 189, 33-44.	2.0	155
56	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
57	Acrosin Accelerates the Dispersal of Sperm Acrosomal Proteins during Acrosome Reaction. <i>Journal of Biological Chemistry</i> , 1998, 273, 10470-10474.	1.6	150
58	Fetal Microchimerism in the Maternal Mouse Brain: A Novel Population of Fetal Progenitor or Stem Cells Able to Cross the Blood-Brain Barrier?. <i>Stem Cells</i> , 2005, 23, 1443-1452.	1.4	150
59	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
60	Nonredundant Roles of Sema4A in the Immune System: Defective T Cell Priming and Th1/Th2 Regulation in Sema4A-Deficient Mice. <i>Immunity</i> , 2005, 22, 305-316.	6.6	147
61	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
62	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
63	Diversity of Sites for Measles Virus Binding and for Inactivation of Complement C3b and C4b on Membrane Cofactor Protein CD46. <i>Journal of Biological Chemistry</i> , 1995, 270, 15148-15152.	1.6	136
64	Non-invasive sexing of preimplantation stage mammalian embryos. <i>Nature Genetics</i> , 1998, 19, 220-222.	9.4	135
65	Disruption of ADAM3 Impairs the Migration of Sperm into Oviduct in Mouse1. <i>Biology of Reproduction</i> , 2009, 81, 142-146.	1.2	135
66	Arrest of Spermatogonial Differentiation in <i>jsd/jsd</i> , <i>Sl17H/Sl17H</i> , and Cryptorchid Mice. <i>Biology of Reproduction</i> , 1999, 61, 842-847.	1.2	134
67	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
68	Cardiac-specific Activation of Signal Transducer and Activator of Transcription 3 Promotes Vascular Formation in the Heart. <i>Journal of Biological Chemistry</i> , 2002, 277, 6676-6681.	1.6	134
69	The cell biology of mammalian fertilization. <i>Development (Cambridge)</i> , 2013, 140, 4471-4479.	1.2	134
70	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
71	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
72	FISH Analysis of 142 EGFP Transgene Integration Sites into the Mouse Genome. <i>Genomics</i> , 2002, 80, 564-574.	1.3	131

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73	Protein disulfide isomerase homolog PDILT is required for quality control of sperm membrane protein ADAM3 and male fertility. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3850-3855.	3.3	131
74	Lats2 Is an Essential Mitotic Regulator Required for the Coordination of Cell Division. Journal of Biological Chemistry, 2007, 282, 19259-19271.	1.6	130
75	Mitochondrial Dysfunction and Increased Reactive Oxygen Species Impair Insulin Secretion in Sphingomyelin Synthase 1-null Mice. Journal of Biological Chemistry, 2011, 286, 3992-4002.	1.6	129
76	Disruption of Mouse CD46 Causes an Accelerated Spontaneous Acrosome Reaction in Sperm. Molecular and Cellular Biology, 2003, 23, 2614-2622.	1.1	128
77	Calsperin Is a Testis-specific Chaperone Required for Sperm Fertility. Journal of Biological Chemistry, 2011, 286, 5639-5646.	1.6	128
78	DDX60 Is Involved in RIG-I-Dependent and Independent Antiviral Responses, and Its Function Is Attenuated by Virus-Induced EGFR Activation. Cell Reports, 2015, 11, 1193-1207.	2.9	127
79	Expression of the endoplasmic reticulum molecular chaperone (ORP150) rescues hippocampal neurons from glutamate toxicity. Journal of Clinical Investigation, 2001, 108, 1439-1450.	3.9	125
80	Calmegin Is Required for Fertilin $\hat{1}\pm/\hat{1}^2$ Heterodimerization and Sperm Fertility. Developmental Biology, 2001, 240, 254-261.	0.9	124
81	E-Cadherin-Coated Plates Maintain Pluripotent ES Cells without Colony Formation. PLoS ONE, 2006, 1, e15.	1.1	123
82	Hypertension and dysregulated proinflammatory cytokine production in receptor activity-modifying protein 1-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16702-16707.	3.3	117
83	Acrosome-reacted mouse spermatozoa recovered from the perivitelline space can fertilize other eggs. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20008-20011.	3.3	117
84	Transgenic Mouse Sperm that Have Green Acrosome and Red Mitochondria Allow Visualization of Sperm and Their Acrosome Reaction in Vivo. Experimental Animals, 2010, 59, 105-107.	0.7	116
85	Postnatal Growth Failure, Short Life Span, and Early Onset of Cellular Senescence and Subsequent Immortalization in Mice Lacking the Xeroderma Pigmentosum Group G Gene. Molecular and Cellular Biology, 1999, 19, 2366-2372.	1.1	115
86	Complementation of placental defects and embryonic lethality by trophoblast-specific lentiviral gene transfer. Nature Biotechnology, 2007, 25, 233-237.	9.4	115
87	Alteration of Gene Expression by Chromosome Loss in the Postnatal Mouse Brain. Journal of Neuroscience, 2003, 23, 5599-5606.	1.7	112
88	Prostacyclin-Deficient Mice Develop Ischemic Renal Disorders, Including Nephrosclerosis and Renal Infarction. Circulation, 2002, 106, 2397-2403.	1.6	109
89	Behavior of Mouse Spermatozoa in the Female Reproductive Tract from Soon after Mating to the Beginning of Fertilization ¹ . Biology of Reproduction, 2016, 94, 80.	1.2	108
90	Identification of Podocalyxin-like Protein 1 as a Novel Cell Surface Marker for Hemangioblasts in the Murine Aorta-Gonad-Mesonephros Region. Immunity, 1999, 11, 567-578.	6.6	107

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91	HANP1/H1T2, a Novel Histone H1-Like Protein Involved in Nuclear Formation and Sperm Fertility. <i>Molecular and Cellular Biology</i> , 2005, 25, 7107-7119.	1.1	106
92	Green fluorescent protein as a marker in transgenic mice. <i>Development Growth and Differentiation</i> , 1995, 37, 455-459.	0.6	105
93	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
94	Functional competence of T cells in the absence of glycosylphosphatidylinositol-anchored proteins caused by T cell-specific disruption of the Pig-agene. <i>European Journal of Immunology</i> , 1998, 28, 2159-2166.	1.6	103
95	Remodeling of the Major Pig Xenoantigen by N-Acetylglucosaminyltransferase III in Transgenic Pig. <i>Journal of Biological Chemistry</i> , 2001, 276, 39310-39319.	1.6	102
96	Molecular dissection of IZUMO1, a sperm protein essential for sperm-egg fusion. <i>Development (Cambridge)</i> , 2013, 140, 3221-3229.	1.2	102
97	Induction of T-cell-mediated skin disease specific for antigen transgenically expressed in keratinocytes. <i>European Journal of Immunology</i> , 2003, 33, 1879-1888.	1.6	99
98	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
99	Hematopoietic and nonhematopoietic potentials of Hoechstlow/side population cells isolated from adult rat kidney. <i>Kidney International</i> , 2004, 65, 1604-1614.	2.6	94
100	Formation of a thymus from rat ES cells in xenogeneic nude mouse+ rat ES chimeras. <i>Genes To Cells</i> , 2011, 16, 397-405.	0.5	93
101	'Green mice' and their potential usage in biological research. <i>FEBS Letters</i> , 1998, 430, 83-87.	1.3	91
102	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
103	Evidence of the Monoclonal Composition of Human Endometrial Epithelial Glands and Mosaic Pattern of Clonal Distribution in Luminal Epithelium. <i>American Journal of Pathology</i> , 2003, 163, 295-301.	1.9	88
104	OAZ-t/OAZ3 Is Essential for Rigid Connection of Sperm Tails to Heads in Mouse. <i>PLoS Genetics</i> , 2009, 5, e1000712.	1.5	87
105	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
106	The Wilms's tumor gene WT1-GFP knock-in mouse reveals the dynamic regulation of WT1 expression in normal and leukemic hematopoiesis. <i>Leukemia</i> , 2007, 21, 1783-1791.	3.3	86
107	A human sperm antigen possibly involved in binding and/or fusion with zona-free hamster eggs. <i>Fertility and Sterility</i> , 1990, 54, 1121-1126.	0.5	85
108	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

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109	PGAP1 Knock-out Mice Show Otocephaly and Male Infertility. <i>Journal of Biological Chemistry</i> , 2007, 282, 30373-30380.	1.6	84
110	Small Mannose-Binding Lectin-Associated Protein Plays a Regulatory Role in the Lectin Complement Pathway. <i>Journal of Immunology</i> , 2006, 177, 8626-8632.	0.4	81
111	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
112	Capacitation-related changes in antigen distribution on mouse sperm heads and its relation to fertilization rate in vitro. <i>Journal of Reproductive Immunology</i> , 1987, 11, 91-100.	0.8	76
113	<i>Listeria monocytogenes</i> -infected bone marrow myeloid cells promote bacterial invasion of the central nervous system. <i>Cellular Microbiology</i> , 2005, 7, 167-180.	1.1	76
114	Regulatory Mechanisms of TRAF2-mediated Signal Transduction by Bcl10, a MALT Lymphoma-associated Protein. <i>Journal of Biological Chemistry</i> , 2000, 275, 11114-11120.	1.6	73
115	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
116	GPI-Anchored Protein Complex, LY6K/TEX101, Is Required for Sperm Migration into the Oviduct and Male Fertility in Mice. <i>Biology of Reproduction</i> , 2014, 90, 60.	1.2	73
117	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
118	The Behavior and Acrosomal Status of Mouse Spermatozoa In Vitro, and Within the Oviduct During Fertilization after Natural Mating. <i>Biology of Reproduction</i> , 2016, 95, 50-50.	1.2	72
119	Effect of a monoclonal anti-mouse sperm antibody (OBF13) on the interaction of mouse sperm with zona-free mouse and hamster eggs. <i>Journal of Reproductive Immunology</i> , 1988, 13, 211-219.	0.8	71
120	Male Infertility and the Genetics of Spermatogenesis. <i>American Journal of Human Genetics</i> , 1998, 62, 1274-1281.	2.6	70
121	Mouse Germ Cell-Less as an Essential Component for Nuclear Integrity. <i>Molecular and Cellular Biology</i> , 2003, 23, 1304-1315.	1.1	70
122	Production of mouse pups from germline transmission-failed knockout chimeras. <i>Transgenic Research</i> , 2013, 22, 195-200.	1.3	70
123	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
124	Immunoglobulin-Secreting Cells of Maternal Origin Can Be Detected in B Cell-Deficient Mice. <i>Biology of Reproduction</i> , 2000, 63, 1817-1824.	1.2	69
125	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
126	Inefficient response of T lymphocytes to glycosylphosphatidylinositol anchor-negative cells: implications for paroxysmal nocturnal hemoglobinuria. <i>Blood</i> , 2002, 100, 4116-4122.	0.6	66

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127	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
128	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
129	Application of Bone Marrow-Derived Stem Cells in Experimental Nephrology. <i>Nephron Experimental Nephrology</i> , 2001, 9, 444-450.	2.4	65
130	Akt activation induces epidermal hyperplasia and proliferation of epidermal progenitors. <i>Oncogene</i> , 2007, 26, 4882-4888.	2.6	65
131	Cell-cycle-specific nestin expression coordinates with morphological changes in embryonic cortical neural progenitors. <i>Journal of Cell Science</i> , 2008, 121, 1204-1212.	1.2	65
132	Complement regulation in the GalT KO era. <i>Xenotransplantation</i> , 2010, 17, 11-25.	1.6	63
133	NELL2-mediated lumicrine signaling through OVCH2 is required for male fertility. <i>Science</i> , 2020, 368, 1132-1135.	6.0	63
134	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
135	Efficient Derivation of Embryonic Stem Cells by Inhibition of Glycogen Synthase Kinase-3. <i>Stem Cells</i> , 2007, 25, 2705-2711.	1.4	62
136	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
137	The mechanism of sperm-egg interaction and the involvement of IZUMO1 in fusion. <i>Asian Journal of Andrology</i> , 2011, 13, 81-87.	0.8	60
138	Selective Passage Through the Uterotubal Junction of Sperm from a Mixed Population Produced by Chimeras of Calmegin-Knockout and Wild-Type Male Mice ¹ . <i>Biology of Reproduction</i> , 2004, 71, 959-965.	1.2	59
139	Real-time observation of transplanted 'green germ cells': Proliferation and differentiation of stem cells. <i>Development Growth and Differentiation</i> , 2000, 42, 105-112.	0.6	58
140	Wild-Type Measles Virus Infection in Human CD46/CD150-Transgenic Mice: CD11c-Positive Dendritic Cells Establish Systemic Viral Infection. <i>Journal of Immunology</i> , 2005, 175, 3252-3261.	0.4	58
141	A transposon-based chromosomal engineering method to survey a large cis-regulatory landscape in mice. <i>Nature Genetics</i> , 2009, 41, 946-952.	9.4	58
142	Role of the C-Terminal Cytoplasmic Domain of FlhA in Bacterial Flagellar Type III Protein Export. <i>Journal of Bacteriology</i> , 2010, 192, 1929-1936.	1.0	57
143	Enhanced Immune Responses in Transgenic Mice Expressing a Truncated Form of the Lymphocyte Semaphorin CD100. <i>Journal of Immunology</i> , 2001, 167, 4321-4328.	0.4	54
144	Development of efficient strategies for the production of genetically modified pigs. <i>Theriogenology</i> , 2003, 59, 95-106.	0.9	54

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145	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
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