

# Masaru Okabe

## List of Publications by Citations

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285  
papers

27,170  
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90  
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159  
g-index

289  
ext. papers

29,493  
ext. citations

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L-index

#	Paper	IF	Citations
285	Role of adaptor TRIF in the MyD88-independent toll-like receptor signaling pathway. <i>Science</i> , <b>2003</b> , 301, 640-3	33.3	2452
284	Green mice as a source of ubiquitous green cells. <i>FEBS Letters</i> , <b>1997</b> , 407, 313-9	3.8	2152
283	DNA methylation of retrotransposon genes is regulated by Piwi family members MILI and MIWI2 in murine fetal testes. <i>Genes and Development</i> , <b>2008</b> , 22, 908-17	12.6	670
282	Mili, a mammalian member of piwi family gene, is essential for spermatogenesis. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 839-49	6.6	574
281	The immunoglobulin superfamily protein Izumo is required for sperm to fuse with eggs. <i>Nature</i> , <b>2005</b> , 434, 234-8	50.4	570
280	Requirement of CD9 on the egg plasma membrane for fertilization. <i>Science</i> , <b>2000</b> , 287, 321-4	33.3	541
279	Innate versus learned odour processing in the mouse olfactory bulb. <i>Nature</i> , <b>2007</b> , 450, 503-8	50.4	516
278	PGC7/Stella protects against DNA demethylation in early embryogenesis. <i>Nature Cell Biology</i> , <b>2007</b> , 9, 64-71	23.4	446
277	Generating green fluorescent mice by germline transmission of green fluorescent ES cells. <i>Mechanisms of Development</i> , <b>1998</b> , 76, 79-90	1.7	445
276	CIS3/SOCS3/SSI3 plays a negative regulatory role in STAT3 activation and intestinal inflammation. <i>Journal of Experimental Medicine</i> , <b>2001</b> , 193, 471-81	16.6	406
275	Mammalian transgenesis by intracytoplasmic sperm injection. <i>Science</i> , <b>1999</b> , 284, 1180-3	33.3	356
274	Dysregulation of TGF-beta1 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> , <b>2005</b> , 102, 15791-6	11.5	341
273	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> , <b>2011</b> , 108, 4892-6	11.5	294
272	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> , <b>2011</b> , 108, 1451-5	11.5	283
271	A histone H3 lysine 36 trimethyltransferase links Nkx2-5 to Wolf-Hirschhorn syndrome. <i>Nature</i> , <b>2009</b> , 460, 287-91	50.4	279
270	Nestin-EGFP transgenic mice: visualization of the self-renewal and multipotency of CNS stem cells. <i>Molecular and Cellular Neurosciences</i> , <b>2001</b> , 17, 259-73	4.8	275
269	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> , <b>1998</b> , 95, 1044-9	11.5	273

268	Activation of Akt signaling is sufficient to maintain pluripotency in mouse and primate embryonic stem cells. <i>Oncogene</i> , <b>2006</b> , 25, 2697-707	9.2	271
267	Bone marrow is a reservoir of repopulating mesangial cells during glomerular remodeling. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2001</b> , 12, 2625-2635	12.7	263
266	Signalling mediated by the endoplasmic reticulum stress transducer OASIS is involved in bone formation. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 1205-11	23.4	240
265	The putative chaperone calmeglin is required for sperm fertility. <i>Nature</i> , <b>1997</b> , 387, 607-11	50.4	239
264	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> , <b>2000</b> , 97, 315-9	11.5	230
263	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> , <b>1997</b> , 94, 7400-5	11.5	221
262	The class IV semaphorin CD100 plays nonredundant roles in the immune system: defective B and T cell activation in CD100-deficient mice. <i>Immunity</i> , <b>2000</b> , 13, 633-42	32.3	220
261	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> , <b>1999</b> , 19, 6396-407	4.8	214
260	Fertilization: a sperm's journey to and interaction with the oocyte. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 984-94	15.9	206
259	Plexin-A1 and its interaction with DAP12 in immune responses and bone homeostasis. <i>Nature Cell Biology</i> , <b>2006</b> , 8, 615-22	23.4	205
258	Progressive adipocyte hypertrophy in aquaporin-7-deficient mice: adipocyte glycerol permeability as a novel regulator of fat accumulation. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 15493-6	5.4	202
257	Small interfering RNA and gene silencing in transgenic mice and rats. <i>FEBS Letters</i> , <b>2002</b> , 532, 227-30	3.8	201
256	Angiotensin-converting enzyme is a GPI-anchored protein releasing factor crucial for fertilization. <i>Nature Medicine</i> , <b>2005</b> , 11, 160-6	50.5	196
255	Urinary excretion of fatty acid-binding protein reflects stress overload on the proximal tubules. <i>American Journal of Pathology</i> , <b>2004</b> , 165, 1243-55	5.8	179
254	ORP150 protects against hypoxia/ischemia-induced neuronal death. <i>Nature Medicine</i> , <b>2001</b> , 7, 317-23	50.5	179
253	The ubiquitin ligase Riplet is essential for RIG-I-dependent innate immune responses to RNA virus infection. <i>Cell Host and Microbe</i> , <b>2010</b> , 8, 496-509	23.4	178
252	Macrophage response to peripheral nerve injury: the quantitative contribution of resident and hematogenous macrophages. <i>Laboratory Investigation</i> , <b>2003</b> , 83, 175-85	5.9	178
251	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> , <b>2007</b> , 177, 369-76	2.5	175

250	Neuromedin U has a novel anorexigenic effect independent of the leptin signaling pathway. <i>Nature Medicine</i> , <b>2004</b> , 10, 1067-73	50.5	168
249	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> , <b>2004</b> , 117, 5835-45	5.3	167
248	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> , <b>2007</b> , 104, 252-7	11.5	163
247	Real-time observation of acrosomal dispersal from mouse sperm using GFP as a marker protein. <i>FEBS Letters</i> , <b>1999</b> , 449, 277-83	3.8	160
246	Regulation of endoplasmic reticulum stress response by a BBF2H7-mediated Sec23a pathway is essential for chondrogenesis. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 1197-204	23.4	158
245	Peroxiredoxin 4 knockout results in elevated spermatogenic cell death via oxidative stress. <i>Biochemical Journal</i> , <b>2009</b> , 419, 149-58	3.8	157
244	The potential of bone marrow-derived cells to differentiate to glomerular mesangial cells. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2001</b> , 12, 1401-1409	12.7	156
243	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> , <b>2000</b> , 276, 1155-61	3.4	153
242	Taurine depletion caused by knocking out the taurine transporter gene leads to cardiomyopathy with cardiac atrophy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2008</b> , 44, 927-37	5.8	152
241	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> , <b>2001</b> , 98, 9191-6	11.5	151
240	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> , <b>2008</b> , 105, 12921-6	11.5	147
239	Molecular cloning of a murine homologue of membrane cofactor protein (CD46): preferential expression in testicular germ cells. <i>Biochemical Journal</i> , <b>1998</b> , 330 ( Pt 1), 163-8	3.8	147
238	Isolation of angiotensin-converting enzyme inhibitor from tuna muscle. <i>Biochemical and Biophysical Research Communications</i> , <b>1988</b> , 155, 332-7	3.4	142
237	Treatment of spinal cord injury by transplantation of fetal neural precursor cells engineered to express BMP inhibitor. <i>Experimental Neurology</i> , <b>2004</b> , 189, 33-44	5.7	137
236	Two independent pathways of maternal cell transmission to offspring: through placenta during pregnancy and by breast-feeding after birth. <i>Immunology</i> , <b>2000</b> , 101, 570-80	7.8	136
235	Dynamic modification of sphingomyelin in lipid microdomains controls development of obesity, fatty liver, and type 2 diabetes. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 28544-55	5.4	135
234	A rapid and non-invasive selection of transgenic embryos before implantation using green fluorescent protein (GFP). <i>FEBS Letters</i> , <b>1995</b> , 375, 125-8	3.8	135
233	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> , <b>2002</b> , 277, 30310-4	5.4	133

232	Nonredundant roles of Sema4A in the immune system: defective T cell priming and Th1/Th2 regulation in Sema4A-deficient mice. <i>Immunity</i> , <b>2005</b> , 22, 305-16	32.3	128
231	Acrosin accelerates the dispersal of sperm acrosomal proteins during acrosome reaction. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 10470-4	5.4	127
230	miR-200b and miR-429 function in mouse ovulation and are essential for female fertility. <i>Science</i> , <b>2013</b> , 341, 71-3	33.3	125
229	Non-invasive sexing of preimplantation stage mammalian embryos. <i>Nature Genetics</i> , <b>1998</b> , 19, 220-2	36.3	123
228	Comparison of gene expression in male and female mouse blastocysts revealed imprinting of the X-linked gene, RhoX5/Pem, at preimplantation stages. <i>Current Biology</i> , <b>2006</b> , 16, 166-72	6.3	121
227	Lats2 is an essential mitotic regulator required for the coordination of cell division. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 19259-71	5.4	121
226	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> , <b>2005</b> , 23, 1443-52	5.8	121
225	Neuroaxonal dystrophy caused by group VIA phospholipase A2 deficiency in mice: a model of human neurodegenerative disease. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 2212-20	6.6	120
224	FISH analysis of 142 EGFP transgene integration sites into the mouse genome. <i>Genomics</i> , <b>2002</b> , 80, 564-74	4.3	120
223	Visualization of the moment of mouse sperm-egg fusion and dynamic localization of IZUMO1. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 4985-90	5.3	118
222	Cyclin G1 is involved in G2/M arrest in response to DNA damage and in growth control after damage recovery. <i>Oncogene</i> , <b>2001</b> , 20, 3290-300	9.2	118
221	Arrest of spermatogonial differentiation in jsd/jsd, Sl17H/Sl17H, and cryptorchid mice. <i>Biology of Reproduction</i> , <b>1999</b> , 61, 842-7	3.9	117
220	Disruption of mouse CD46 causes an accelerated spontaneous acrosome reaction in sperm. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 2614-22	4.8	113
219	Cardiac-specific activation of signal transducer and activator of transcription 3 promotes vascular formation in the heart. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 6676-81	5.4	113
218	The cell biology of mammalian fertilization. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 4471-9	6.6	112
217	Expanding the repertoire of optogenetically targeted cells with an enhanced gene expression system. <i>Cell Reports</i> , <b>2012</b> , 2, 397-406	10.6	111
216	Protein disulfide isomerase homolog PDILT is required for quality control of sperm membrane protein ADAM3 and male fertility [corrected]. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 3850-5	11.5	111
215	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> , <b>1995</b> , 270, 15148-52	5.4	111

214	Calmegin is required for fertilin alpha/beta heterodimerization and sperm fertility. <i>Developmental Biology</i> , <b>2001</b> , 240, 254-61	3.1	110
213	Acrosome-reacted mouse spermatozoa recovered from the perivitelline space can fertilize other eggs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20008-11	11.5	109
212	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> , <b>2013</b> , 110, 8111-6	11.5	108
211	SPACA1-deficient male mice are infertile with abnormally shaped sperm heads reminiscent of globozoospermia. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 3583-9	6.6	107
210	Disruption of ADAM3 impairs the migration of sperm into oviduct in mouse. <i>Biology of Reproduction</i> , <b>2009</b> , 81, 142-6	3.9	106
209	Mitochondrial dysfunction and increased reactive oxygen species impair insulin secretion in sphingomyelin synthase 1-null mice. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 3992-4002	5.4	106
208	E-cadherin-coated plates maintain pluripotent ES cells without colony formation. <i>PLoS ONE</i> , <b>2006</b> , 1, e15	3.7	106
207	Identification of podocalyxin-like protein 1 as a novel cell surface marker for hemangioblasts in the murine aorta-gonad-mesonephros region. <i>Immunity</i> , <b>1999</b> , 11, 567-78	32.3	105
206	Expression of the endoplasmic reticulum molecular chaperone (ORP150) rescues hippocampal neurons from glutamate toxicity. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 108, 1439-50	15.9	104
205	Calsperin is a testis-specific chaperone required for sperm fertility. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 5639-46	5.4	103
204	Postnatal growth failure, short life span, and early onset of cellular senescence and subsequent immortalization in mice lacking the xeroderma pigmentosum group G gene. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 2366-72	4.8	101
203	Hypertension and dysregulated proinflammatory cytokine production in receptor activity-modifying protein 1-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 16702-7	11.5	98
202	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> , <b>2016</b> , 113, 7704-10	11.5	98
201	Functional competence of T cells in the absence of glycosylphosphatidylinositol-anchored proteins caused by T cell-specific disruption of the Pig-a gene. <i>European Journal of Immunology</i> , <b>1998</b> , 28, 2159-66	6.1	96
200	HANP1/H1T2, a novel histone H1-like protein involved in nuclear formation and sperm fertility. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 7107-19	4.8	96
199	Prostacyclin-deficient mice develop ischemic renal disorders, including nephrosclerosis and renal infarction. <i>Circulation</i> , <b>2002</b> , 106, 2397-403	16.7	95
198	Aberrant distribution of ADAM3 in sperm from both angiotensin-converting enzyme (Ace)- and calmegin (Clgn)-deficient mice. <i>Biology of Reproduction</i> , <b>2006</b> , 75, 760-6	3.9	94
197	Alteration of gene expression by chromosome loss in the postnatal mouse brain. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 5599-606	6.6	94



196	Complementation of placental defects and embryonic lethality by trophoblast-specific lentiviral gene transfer. <i>Nature Biotechnology</i> , <b>2007</b> , 25, 233-7	44.5	92
195	Impaired urea accumulation in the inner medulla of mice lacking the urea transporter UT-A2. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 7357-63	4.8	90
194	Remodeling of the major pig xenoantigen by N-acetylglucosaminyltransferase III in transgenic pig. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 39310-9	5.4	90
193	Transgenic mouse sperm that have green acrosome and red mitochondria allow visualization of sperm and their acrosome reaction in vivo. <i>Experimental Animals</i> , <b>2010</b> , 59, 105-7	1.8	88
192	Green mice and their potential usage in biological research. <i>FEBS Letters</i> , <b>1998</b> , 430, 83-7	3.8	87
191	Induction of T-cell-mediated skin disease specific for antigen transgenically expressed in keratinocytes. <i>European Journal of Immunology</i> , <b>2003</b> , 33, 1879-88	6.1	87
190	Green fluorescent protein as a marker in transgenic mice. <i>Development Growth and Differentiation</i> , <b>1995</b> , 37, 455-459	3	87
189	Molecular dissection of IZUMO1, a sperm protein essential for sperm-egg fusion. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 3221-9	6.6	80
188	Hematopoietic and nonhematopoietic potentials of Hoechst(low)/side population cells isolated from adult rat kidney. <i>Kidney International</i> , <b>2004</b> , 65, 1604-14	9.9	80
187	The LIM homeobox gene, L3/Lhx8, is necessary for proper development of basal forebrain cholinergic neurons. <i>European Journal of Neuroscience</i> , <b>2004</b> , 19, 3129-41	3.5	79
186	DDX60 Is Involved in RIG-I-Dependent and Independent Antiviral Responses, and Its Function Is Attenuated by Virus-Induced EGFR Activation. <i>Cell Reports</i> , <b>2015</b> , 11, 1193-207	10.6	78
185	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> , <b>2003</b> , 163, 295-301	5.8	76
184	A human sperm antigen possibly involved in binding and/or fusion with zona-free hamster eggs. <i>Fertility and Sterility</i> , <b>1990</b> , 54, 1121-6	4.8	76
183	Small mannose-binding lectin-associated protein plays a regulatory role in the lectin complement pathway. <i>Journal of Immunology</i> , <b>2006</b> , 177, 8626-32	5.3	74
182	Sperm equatorial segment protein 1, SPESP1, is required for fully fertile sperm in mouse. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 1531-6	5.3	73
181	Formation of a thymus from rat ES cells in xenogeneic nude mouse<-rat ES chimeras. <i>Genes To Cells</i> , <b>2011</b> , 16, 397-405	2.3	71
180	The WilmsTumor gene WT1-GFP knock-in mouse reveals the dynamic regulation of WT1 expression in normal and leukemic hematopoiesis. <i>Leukemia</i> , <b>2007</b> , 21, 1783-91	10.7	70
179	Behavior of Mouse Spermatozoa in the Female Reproductive Tract from Soon after Mating to the Beginning of Fertilization. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 80	3.9	69

178	Male infertility and the genetics of spermatogenesis. <i>American Journal of Human Genetics</i> , <b>1998</b> , 62, 1274-1281	4.81	68
177	PGAP1 knock-out mice show otocephaly and male infertility. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 30373-80	5.4	68
176	Listeria monocytogenes-infected bone marrow myeloid cells promote bacterial invasion of the central nervous system. <i>Cellular Microbiology</i> , <b>2005</b> , 7, 167-80	3.9	67
175	Mouse germ cell-less as an essential component for nuclear integrity. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 1304-15	4.8	67
174	Lineage-specific cell disruption in living mice by Cre-mediated expression of diphtheria toxin A chain. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 321, 275-9	3.4	66
173	OAZ-t/OAZ3 is essential for rigid connection of sperm tails to heads in mouse. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000712	6	65
172	Production of mouse pups from germline transmission-failed knockout chimeras. <i>Transgenic Research</i> , <b>2013</b> , 22, 195-200	3.3	64
171	Migration of exogenous immature hematopoietic cells into adult mouse brain parenchyma under GFP-expressing bone marrow chimera. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 262, 610-4	3.4	64
170	GPI-anchored protein complex, LY6K/TEX101, is required for sperm migration into the oviduct and male fertility in mice. <i>Biology of Reproduction</i> , <b>2014</b> , 90, 60	3.9	63
169	Sperm from the Calmegin-Deficient Mouse Have Normal Abilities for Binding and Fusion to the Egg Plasma Membrane. <i>Developmental Biology</i> , <b>2002</b> , 250, 348-357	3.1	63
168	Regulatory mechanisms of TRAF2-mediated signal transduction by Bcl10, a MALT lymphoma-associated protein. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 11114-20	5.4	63
167	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> , <b>1988</b> , 13, 211-9	4.2	62
166	Alkalinization of acrosome measured by GFP as a pH indicator and its relation to sperm capacitation. <i>Developmental Biology</i> , <b>2001</b> , 237, 222-31	3.1	61
165	Capacitation-related changes in antigen distribution on mouse sperm heads and its relation to fertilization rate in vitro. <i>Journal of Reproductive Immunology</i> , <b>1987</b> , 11, 91-100	4.2	61
164	Akt activation induces epidermal hyperplasia and proliferation of epidermal progenitors. <i>Oncogene</i> , <b>2007</b> , 26, 4882-8	9.2	59
163	Efficient derivation of embryonic stem cells by inhibition of glycogen synthase kinase-3. <i>Stem Cells</i> , <b>2007</b> , 25, 2705-11	5.8	58
162	Efficient selection of transgenic mouse embryos using EGFP as a marker gene. <i>Molecular Reproduction and Development</i> , <b>1999</b> , 54, 43-8	2.6	58
161	Putative sperm fusion protein IZUMO and the role of N-glycosylation. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 377, 910-4	3.4	57



160	Cell-cycle-specific nestin expression coordinates with morphological changes in embryonic cortical neural progenitors. <i>Journal of Cell Science</i> , <b>2008</b> , 121, 1204-12	5.3	55
159	Application of bone marrow-derived stem cells in experimental nephrology. <i>Nephron Experimental Nephrology</i> , <b>2001</b> , 9, 444-50		55
158	Inefficient response of T lymphocytes to glycosylphosphatidylinositol anchor-negative cells: implications for paroxysmal nocturnal hemoglobinuria. <i>Blood</i> , <b>2002</b> , 100, 4116-22	2.2	55
157	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> , <b>2012</b> , 109, 10885-90	11.5	54
156	Green fluorescent protein (GFP) as a vital marker in mammals. <i>Current Topics in Developmental Biology</i> , <b>1999</b> , 44, 1-20	5.3	53
155	Selective passage through the uterotubal junction of sperm from a mixed population produced by chimeras of calmegin-knockout and wild-type male mice. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 959-65	3.9	53
154	Complement regulation in the GalT KO era. <i>Xenotransplantation</i> , <b>2010</b> , 17, 11-25	2.8	52
153	Real-time observation of transplanted green germ cells proliferation and differentiation of stem cells. <i>Development Growth and Differentiation</i> , <b>2000</b> , 42, 105-12	3	52
152	Immunoglobulin-secreting cells of maternal origin can be detected in B cell-deficient mice. <i>Biology of Reproduction</i> , <b>2000</b> , 63, 1817-24	3.9	52
151	Wild-type measles virus infection in human CD46/CD150-transgenic mice: CD11c-positive dendritic cells establish systemic viral infection. <i>Journal of Immunology</i> , <b>2005</b> , 175, 3252-61	5.3	50
150	A transposon-based chromosomal engineering method to survey a large cis-regulatory landscape in mice. <i>Nature Genetics</i> , <b>2009</b> , 41, 946-52	36.3	49
149	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> , <b>2004</b> , 24, 3712-9	4.8	49
148	The Behavior and Acrosomal Status of Mouse Spermatozoa In Vitro, and Within the Oviduct During Fertilization after Natural Mating. <i>Biology of Reproduction</i> , <b>2016</b> , 95, 50	3.9	48
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