

Masaru Okabe

List of Publications by Year in Descending Order

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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.

285
papers

27,170
citations

90
h-index

159
g-index

289
ext. papers

29,493
ext. citations

7.5
avg, IF

6.47
L-index

#	Paper	IF	Citations
285	NELL2-mediated lumicrine signaling through OVCH2 is required for male fertility. <i>Science</i> , 2020 , 368, 1132-1135	33.3	23
284	Reduction in BDNF from Inefficient Precursor Conversion Influences Nest Building and Promotes Depressive-Like Behavior in Mice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
283	Genetic loss of importin β causes abnormal sperm morphology and impacts on male fertility in mouse. <i>FASEB Journal</i> , 2020 , 34, 16224-16242	0.9	6
282	Haprin-deficient spermatozoa are incapable of in vitro fertilization. <i>Molecular Reproduction and Development</i> , 2020 , 87, 534-541	2.6	0
281	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	3.9	45
280	Sperm-egg interaction and fertilization: past, present, and future. <i>Biology of Reproduction</i> , 2018 , 99, 134-146	3.9	30
279	Transgenic mice that accept Luciferase- or GFP-expressing syngeneic tumor cells at high efficiencies. <i>Genes To Cells</i> , 2018 , 23, 580-589	2.3	8
278	Beware of memes in the interpretation of your results - lessons from gene-disrupted mice in fertilization research. <i>FEBS Letters</i> , 2018 , 592, 2673-2679	3.8	7
277	The mechanics clarifying counterclockwise rotation in most IVF eggs in mice. <i>Scientific Reports</i> , 2017 , 7, 43456	4.9	2
276	A delayed sperm penetration of cumulus layers by disruption of acrosin gene in rats. <i>Biology of Reproduction</i> , 2017 , 97, 61-68	3.9	19
275	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	3.9	48
274	Generation of Hprt-disrupted rat through mouse \leftarrow rat ES chimeras. <i>Scientific Reports</i> , 2016 , 6, 24215	4.9	9
273	Behavior of Mouse Spermatozoa in the Female Reproductive Tract from Soon after Mating to the Beginning of Fertilization. <i>Biology of Reproduction</i> , 2016 , 94, 80	3.9	69
272	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, 7704-10	11.5	98
271	The Acrosome Reaction: A Historical Perspective. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016 , 220, 1-13	1.2	10
270	STING in tumor and host cells cooperatively work for NK cell-mediated tumor growth retardation. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 1764-71	3.4	39
269	Live imaging of X chromosome reactivation dynamics in early mouse development can discriminate naïve from primed pluripotent stem cells. <i>Development (Cambridge)</i> , 2016 , 143, 2958-64	6.6	15

268	Activating transcription factor 5 is required for mouse olfactory bulb development via interneuron. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015 , 79, 1082-9	2.1	7
267	Calreticulin is required for development of the cumulus oocyte complex and female fertility. <i>Scientific Reports</i> , 2015 , 5, 14254	4.9	22
266	Mechanisms of fertilization elucidated by gene-manipulated animals. <i>Asian Journal of Andrology</i> , 2015 , 17, 646-52	2.8	38
265	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> , 2015 , 11, 1193-207	10.6	78
264	Ftx is dispensable for imprinted X-chromosome inactivation in preimplantation mouse embryos. <i>Scientific Reports</i> , 2014 , 4, 5181	4.9	23
263	Induction of primordial germ cell-like cells from mouse embryonic stem cells by ERK signal inhibition. <i>Stem Cells</i> , 2014 , 32, 2668-78	5.8	18
262	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	3.9	63
261	Mechanism of Fertilization: A Modern View. <i>Experimental Animals</i> , 2014 , 63, 357-365	1.8	20
260	Filamin A-interacting protein (FILIP) is a region-specific modulator of myosin 2b and controls spine morphology and NMDA receptor accumulation. <i>Scientific Reports</i> , 2014 , 4, 6353	4.9	5
259	Mechanism of fertilization: a modern view. <i>Experimental Animals</i> , 2014 , 63, 357-65	1.8	13
258	Generation of precise point mutation mice by footprintless genome modification. <i>Genesis</i> , 2014 , 52, 68-77		4
257	INAM plays a critical role in IFN- γ production by NK cells interacting with polyinosinic-polycytidylic acid-stimulated accessory cells. <i>Journal of Immunology</i> , 2014 , 193, 5199-207	5.3	29
256	Aromatase-null mice expressing enhanced green fluorescent protein in germ cells provide a model system to assess estrogen-dependent ovulatory responses. <i>Transgenic Research</i> , 2014 , 23, 293-302	3.3	2
255	The cell biology of mammalian fertilization. <i>Development (Cambridge)</i> , 2013 , 140, 4471-9	6.6	112
254	Production of mouse pups from germline transmission-failed knockout chimeras. <i>Transgenic Research</i> , 2013 , 22, 195-200	3.3	64
253	N-terminal truncation of Lats1 causes abnormal cell growth control and chromosomal instability. <i>Journal of Cell Science</i> , 2013 , 126, 508-20	5.3	31
252	miR-200b and miR-429 function in mouse ovulation and are essential for female fertility. <i>Science</i> , 2013 , 341, 71-3	33.3	125
251	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, 8111-6	11.5	108

250	Molecular dissection of IZUMO1, a sperm protein essential for sperm-egg fusion. <i>Development (Cambridge)</i> , 2013 , 140, 3221-9	6.6	80
249	Macrophage MHC and T-cell receptors essential for rejection of allografted skin and lymphoma. <i>Transplantation</i> , 2013 , 96, 251-7	1.8	8
248	Ablation of Mina53 in mice reduces allergic response in the airways. <i>Cell Structure and Function</i> , 2013 , 38, 155-67	2.2	17
247	Establishment of mouse model of MYH9 disorders: heterozygous R702C mutation provokes macrothrombocytopenia with leukocyte inclusion bodies, renal glomerulosclerosis and hearing disability. <i>PLoS ONE</i> , 2013 , 8, e71187	3.7	20
246	Identification of an imprinted gene cluster in the X-inactivation center. <i>PLoS ONE</i> , 2013 , 8, e71222	3.7	16
245	Studies of mechanism of fertilization—the past and the future. <i>Reproductive Immunology and Biology</i> , 2013 , 28, 1-18	0	
244	Visualization of the moment of mouse sperm-egg fusion and dynamic localization of IZUMO1. <i>Development (Cambridge)</i> , 2013 , 140, e1-e1	6.6	
243	N-terminal truncation of Lats1 causes abnormal cell growth control and chromosomal instability. <i>Development (Cambridge)</i> , 2013 , 140, e907-e907	6.6	
242	Expanding the repertoire of optogenetically targeted cells with an enhanced gene expression system. <i>Cell Reports</i> , 2012 , 2, 397-406	10.6	111
241	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> , 2012 , 109, 3850-5	11.5	111
240	Mice expressing aberrant sperm-specific protein PMIS2 produce normal-looking but fertilization-incompetent spermatozoa. <i>Molecular Biology of the Cell</i> , 2012 , 23, 2671-9	3.5	36
239	Tetraspanin-interacting protein IGSF8 is dispensable for mouse fertility. <i>Fertility and Sterility</i> , 2012 , 98, 465-70	4.8	18
238	AMPD3-deficient mice exhibit increased erythrocyte ATP levels but anemia not improved due to PK deficiency. <i>Genes To Cells</i> , 2012 , 17, 913-22	2.3	11
237	SPACA1-deficient male mice are infertile with abnormally shaped sperm heads reminiscent of globozoospermia. <i>Development (Cambridge)</i> , 2012 , 139, 3583-9	6.6	107
236	Proteinuria in AMPD2-deficient mice. <i>Genes To Cells</i> , 2012 , 17, 28-38	2.3	6
235	Visualization of the moment of mouse sperm-egg fusion and dynamic localization of IZUMO1. <i>Journal of Cell Science</i> , 2012 , 125, 4985-90	5.3	118
234	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, 10885-90	11.5	54
233	Function of the acrosomal matrix: zona pellucida 3 receptor (ZP3R/sp56) is not essential for mouse fertilization. <i>Biology of Reproduction</i> , 2012 , 86, 1-6	3.9	35

232	Mechanisms of fertilization--a view from the study of gene-manipulated mice. <i>Journal of Andrology</i> , 2011 , 32, 218-25		13
231	Targeted disruption of one of the importin β family members leads to female functional incompetence in delivery. <i>FEBS Journal</i> , 2011 , 278, 1561-72	5.7	14
230	The mechanism of sperm-egg interaction and the involvement of IZUMO1 in fusion. <i>Asian Journal of Andrology</i> , 2011 , 13, 81-7	2.8	45
229	Formation of a thymus from rat ES cells in xenogeneic nude mouse<-rat ES chimeras. <i>Genes To Cells</i> , 2011 , 16, 397-405	2.3	71
228	Mice lacking Ran binding protein 1 are viable and show male infertility. <i>FEBS Letters</i> , 2011 , 585, 791-6	3.8	17
227	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, 28544-55	5.4	135
226	Calsperin is a testis-specific chaperone required for sperm fertility. <i>Journal of Biological Chemistry</i> , 2011 , 286, 5639-46	5.4	103
225	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, 1451-5	11.5	283
224	Mitochondrial dysfunction and increased reactive oxygen species impair insulin secretion in sphingomyelin synthase 1-null mice. <i>Journal of Biological Chemistry</i> , 2011 , 286, 3992-4002	5.4	106
223	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> , 2011 , 108, 20008-11	11.5	109
222	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, 4892-6	11.5	294
221	A newly cloned pig dolichyl-phosphate mannosyl-transferase for preventing the transmission of porcine endogenous retrovirus to human cells. <i>Transplant International</i> , 2010 , 23, 424-31	3	7
220	Survey of glycoantigens in cells from alpha1-3galactosyltransferase knockout pig using a lectin microarray. <i>Xenotransplantation</i> , 2010 , 17, 61-70	2.8	22
219	Complement regulation in the GalT KO era. <i>Xenotransplantation</i> , 2010 , 17, 11-25	2.8	52
218	Novel method of gene transfer in birds: intracytoplasmic sperm injection for green fluorescent protein expression in quail blastoderms. <i>Biology of Reproduction</i> , 2010 , 83, 965-9	3.9	11
217	The X-linked imprinted gene family Fthl17 shows predominantly female expression following the two-cell stage in mouse embryos. <i>Nucleic Acids Research</i> , 2010 , 38, 3672-81	20.1	27
216	Sperm equatorial segment protein 1, SPESP1, is required for fully fertile sperm in mouse. <i>Journal of Cell Science</i> , 2010 , 123, 1531-6	5.3	73
215	Role of the C-terminal cytoplasmic domain of FlhA in bacterial flagellar type III protein export. <i>Journal of Bacteriology</i> , 2010 , 192, 1929-36	3.5	47

214	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	23.4	178
213	Expression of complement regulatory protein on porcine endogenous retrovirus (PERV) depends on molecular size. <i>Transplant Immunology</i> , 2010 , 23, 71-6	1.7	2
212	Gamete Fusion and Sperm Protein IZUMO1. <i>Journal of Mammalian Ova Research</i> , 2010 , 27, 183-190		
211	Fertilization: a sperm's journey to and interaction with the oocyte. <i>Journal of Clinical Investigation</i> , 2010 , 120, 984-94	15.9	206
210	Transgenic mouse sperm that have green acrosome and red mitochondria allow visualization of sperm and their acrosome reaction in vivo. <i>Experimental Animals</i> , 2010 , 59, 105-7	1.8	88
209	Establishment and analysis of SLC22A12 (URAT1) knockout mouse. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2010 , 29, 314-20	1.4	23
208	Humanized gene replacement in mice reveals the contribution of cancer stroma-derived HB-EGF to tumor growth. <i>Cell Structure and Function</i> , 2010 , 35, 3-13	2.2	10
207	Identification and disruption of sperm-specific angiotensin converting enzyme-3 (ACE3) in mouse. <i>PLoS ONE</i> , 2010 , 5, e10301	3.7	37
206	OAZ-t/OAZ3 is essential for rigid connection of sperm tails to heads in mouse. <i>PLoS Genetics</i> , 2009 , 5, e1000712	6	65
205	Disruption of ADAM3 impairs the migration of sperm into oviduct in mouse. <i>Biology of Reproduction</i> , 2009 , 81, 142-6	3.9	106
204	L-amino acid oxidase plays a crucial role in host defense in the mammary glands. <i>FASEB Journal</i> , 2009 , 23, 2514-20	0.9	34
203	Genetic loss of Faah compromises male fertility in mice. <i>Biology of Reproduction</i> , 2009 , 80, 235-42	3.9	44
202	Disruption of the novel gene fad104 causes rapid postnatal death and attenuation of cell proliferation, adhesion, spreading and migration. <i>Experimental Cell Research</i> , 2009 , 315, 809-19	4.2	26
201	Role of the N-terminal domain of Flil ATPase in bacterial flagellar protein export. <i>FEBS Letters</i> , 2009 , 583, 743-8	3.8	15
200	Targeted gene modification in mouse ES cells using integrase-defective lentiviral vectors. <i>Genesis</i> , 2009 , 47, 217-23	1.9	21
199	Placenta-specific gene activation and inactivation using integrase-defective lentiviral vectors with the Cre/LoxP system. <i>Genesis</i> , 2009 , 47, 793-8	1.9	10
198	A histone H3 lysine 36 trimethyltransferase links Nkx2-5 to Wolf-Hirschhorn syndrome. <i>Nature</i> , 2009 , 460, 287-91	50.4	279
197	Regulation of endoplasmic reticulum stress response by a BBF2H7-mediated Sec23a pathway is essential for chondrogenesis. <i>Nature Cell Biology</i> , 2009 , 11, 1197-204	23.4	158

196	Signalling mediated by the endoplasmic reticulum stress transducer OASIS is involved in bone formation. <i>Nature Cell Biology</i> , 2009 , 11, 1205-11	23.4	240
195	A transposon-based chromosomal engineering method to survey a large cis-regulatory landscape in mice. <i>Nature Genetics</i> , 2009 , 41, 946-52	36.3	49
194	Immunological behavior of enhanced green fluorescent protein (EGFP) as a minor histocompatibility antigen with a special reference to skin isograft and specific regulation of local graft-versus-host reaction (GvHR). <i>Immunology Letters</i> , 2009 , 123, 103-13	4.1	4
193	Peroxiredoxin 4 knockout results in elevated spermatogenic cell death via oxidative stress. <i>Biochemical Journal</i> , 2009 , 419, 149-58	3.8	157
192	Differential human serum-mediated neutralization of PERV released from pig cells transfected with variants of hDAF. <i>Xenotransplantation</i> , 2008 , 15, 365-73	2.8	4
191	Cd52, known as a major maturation-associated sperm membrane antigen secreted from the epididymis, is not required for fertilization in the mouse. <i>Genes To Cells</i> , 2008 , 13, 851-61	2.3	26
190	Ghrelin deficiency does not influence feeding performance. <i>Regulatory Peptides</i> , 2008 , 145, 7-11		36
189	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, 927-37	5.8	152
188	Putative sperm fusion protein IZUMO and the role of N-glycosylation. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 377, 910-4	3.4	57
187	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, 908-17	12.6	670
186	Cell-cycle-specific nestin expression coordinates with morphological changes in embryonic cortical neural progenitors. <i>Journal of Cell Science</i> , 2008 , 121, 1204-12	5.3	55
185	Neuroaxonal dystrophy caused by group VIA phospholipase A2 deficiency in mice: a model of human neurodegenerative disease. <i>Journal of Neuroscience</i> , 2008 , 28, 2212-20	6.6	120
184	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, 12921-6	11.5	147
183	Bis deficiency results in early lethality with metabolic deterioration and involution of spleen and thymus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 295, E1349-57	6	24
182	Meichroacidin containing the membrane occupation and recognition nexus motif is essential for spermatozoa morphogenesis. <i>Journal of Biological Chemistry</i> , 2008 , 283, 19039-48	5.4	21
181	Possible involvement of CD81 in acrosome reaction of sperm in mice. <i>Molecular Reproduction and Development</i> , 2008 , 75, 150-5	2.6	28
180	Mechanisms of sperm-egg interactions emerging from gene-manipulated animals. <i>International Journal of Developmental Biology</i> , 2008 , 52, 657-64	1.9	20
179	Sperm-egg fusion assay in mammals. <i>Methods in Molecular Biology</i> , 2008 , 475, 335-45	1.4	4

178	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, 369-76	2.5	175
177	Akt activation induces epidermal hyperplasia and proliferation of epidermal progenitors. <i>Oncogene</i> , 2007 , 26, 4882-8	9.2	59
176	Complementation of placental defects and embryonic lethality by trophoblast-specific lentiviral gene transfer. <i>Nature Biotechnology</i> , 2007 , 25, 233-7	44.5	92
175	PGC7/Stella protects against DNA demethylation in early embryogenesis. <i>Nature Cell Biology</i> , 2007 , 9, 64-71	23.4	446
174	The WilmsTumor gene WT1-GFP knock-in mouse reveals the dynamic regulation of WT1 expression in normal and leukemic hematopoiesis. <i>Leukemia</i> , 2007 , 21, 1783-91	10.7	70
173	Efficient derivation of embryonic stem cells by inhibition of glycogen synthase kinase-3. <i>Stem Cells</i> , 2007 , 25, 2705-11	5.8	58
172	Mechanisms of sperm-egg interactions emerging from gene-manipulated animals. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 1945-58	10.3	29
171	PGAP1 knock-out mice show otocephaly and male infertility. <i>Journal of Biological Chemistry</i> , 2007 , 282, 30373-80	5.4	68
170	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> , 2007 , 104, 16702-7	11.5	98
169	Lats2 is an essential mitotic regulator required for the coordination of cell division. <i>Journal of Biological Chemistry</i> , 2007 , 282, 19259-71	5.4	121
168	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, 252-7	11.5	163
167	Positive expression of the immunoglobulin superfamily protein IZUMO on human sperm of severely infertile male patients. <i>Fertility and Sterility</i> , 2007 , 88, 214-6	4.8	22
166	CHS4 insulator-mediated alleviation of promoter interference during cell-based expression of tandemly associated transgenes. <i>Journal of Molecular Biology</i> , 2007 , 374, 580-90	6.5	30
165	Innate versus learned odour processing in the mouse olfactory bulb. <i>Nature</i> , 2007 , 450, 503-8	50.4	516
164	Sperm-egg interaction and gene manipulated animals. <i>Society of Reproduction and Fertility Supplement</i> , 2007 , 65, 363-71		14
163	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, 166-72	6.3	121
162	Deletion of SERP1/RAMP4, a component of the endoplasmic reticulum (ER) translocation sites, leads to ER stress. <i>Molecular and Cellular Biology</i> , 2006 , 26, 4257-67	4.8	47
161	Aberrant distribution of ADAM3 in sperm from both angiotensin-converting enzyme (Ace)- and calmegin (Clgn)-deficient mice. <i>Biology of Reproduction</i> , 2006 , 75, 760-6	3.9	94

160	Small mannose-binding lectin-associated protein plays a regulatory role in the lectin complement pathway. <i>Journal of Immunology</i> , 2006 , 177, 8626-32	5.3	74
159	Role of the protomap and target-derived signals in the development of intrahemispheric connections. <i>Cerebral Cortex</i> , 2006 , 16, 124-35	5.1	4
158	E-cadherin-coated plates maintain pluripotent ES cells without colony formation. <i>PLoS ONE</i> , 2006 , 1, e15	3.7	106
157	RECS1 deficiency in mice induces susceptibility to cystic medial degeneration. <i>Genes and Genetic Systems</i> , 2006 , 81, 41-50	1.4	26
156	The testes-specific bZip type transcription factor Tisp40 plays a role in ER stress responses and chromatin packaging during spermiogenesis. <i>Genes To Cells</i> , 2006 , 11, 1161-71	2.3	34
155	Plexin-A1 and its interaction with DAP12 in immune responses and bone homeostasis. <i>Nature Cell Biology</i> , 2006 , 8, 615-22	23.4	205
154	Adenovirus serotype 35 vector-mediated transduction into human CD46-transgenic mice. <i>Gene Therapy</i> , 2006 , 13, 1118-26	4	33
153	Activation of Akt signaling is sufficient to maintain pluripotency in mouse and primate embryonic stem cells. <i>Oncogene</i> , 2006 , 25, 2697-707	9.2	271
152	Multi-gene gateway clone design for expression of multiple heterologous genes in living cells: conditional gene expression at near physiological levels. <i>Journal of Biotechnology</i> , 2005 , 118, 123-34	3.7	38
151	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, 305-16	32.3	128
150	Listeria monocytogenes-infected bone marrow myeloid cells promote bacterial invasion of the central nervous system. <i>Cellular Microbiology</i> , 2005 , 7, 167-80	3.9	67
149	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, 1443-52	5.8	121
148	Angiotensin-converting enzyme is a GPI-anchored protein releasing factor crucial for fertilization. <i>Nature Medicine</i> , 2005 , 11, 160-6	50.5	196
147	The immunoglobulin superfamily protein Izumo is required for sperm to fuse with eggs. <i>Nature</i> , 2005 , 434, 234-8	50.4	570
146	HANP1/H1T2, a novel histone H1-like protein involved in nuclear formation and sperm fertility. <i>Molecular and Cellular Biology</i> , 2005 , 25, 7107-19	4.8	96
145	Impaired urea accumulation in the inner medulla of mice lacking the urea transporter UT-A2. <i>Molecular and Cellular Biology</i> , 2005 , 25, 7357-63	4.8	90
144	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, 3252-61	5.3	50
143	Progressive adipocyte hypertrophy in aquaporin-7-deficient mice: adipocyte glycerol permeability as a novel regulator of fat accumulation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 15493-6	5.4	202

142	Genomic imprinting of XX spermatogonia and XX oocytes recovered from XXXY chimeric testes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 4039-44	11.5	28
141	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> , 2005 , 102, 15791-6	11.5	341
140	RNAi in living mice. <i>Methods in Molecular Biology</i> , 2004 , 252, 501-8	1.4	3
139	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> , 2004 , 71, 959-65	3.9	53
138	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, 3712-9	4.8	49
137	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, 5835-45	5.3	167
136	Platelet-derived growth factor plays a critical role to convert bone marrow cells into glomerular mesangial-like cells. <i>Kidney International</i> , 2004 , 65, 15-24	9.9	25
135	Hematopoietic and nonhematopoietic potentials of Hoechst(low)/side population cells isolated from adult rat kidney. <i>Kidney International</i> , 2004 , 65, 1604-14	9.9	80
134	The LIM homeobox gene, L3/Lhx8, is necessary for proper development of basal forebrain cholinergic neurons. <i>European Journal of Neuroscience</i> , 2004 , 19, 3129-41	3.5	79
133	Neuromedin U has a novel anorexigenic effect independent of the leptin signaling pathway. <i>Nature Medicine</i> , 2004 , 10, 1067-73	50.5	168
132	Mili, a mammalian member of piwi family gene, is essential for spermatogenesis. <i>Development (Cambridge)</i> , 2004 , 131, 839-49	6.6	574
131	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	5.7	137
130	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, 275-9	3.4	66
129	Urinary excretion of fatty acid-binding protein reflects stress overload on the proximal tubules. <i>American Journal of Pathology</i> , 2004 , 165, 1243-55	5.8	179
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