A conditional knockout resource for the genome-wide s

Nature

474, 337-342

DOI: 10.1038/nature10163

Citation Report

#	Article	IF	Citations
1	Transcriptomic analysis of pluripotent stem cells: insights into health and disease. Genome Medicine, 2011, 3, 68.	3.6	7
2	Targeted gene correction of Î±1-antitrypsin deficiency in induced pluripotent stem cells. Nature, 2011, 478, 391-394.	13.7	635
3	A scalable pipeline for highly effective genetic modification of a malaria parasite. Nature Methods, 2011, 8, 1078-1082.	9.0	93
4	A resource of vectors and ES cells for targeted deletion of microRNAs in mice. Nature Biotechnology, 2011, 29, 840-845.	9.4	92
5	pTransgenesis: a cross-species, modular transgenesis resource. Development (Cambridge), 2011, 138, 5451-5458.	1.2	52
6	Mouse genomic variation and its effect on phenotypes and gene regulation. Nature, 2011, 477, 289-294.	13.7	1,461
7	A knockout mouse resource for the biomedical research community. Annals of the New York Academy of Sciences, 2011, 1245, 24-26.	1.8	58
8	Following the genes: a framework for animal modeling of psychiatric disorders. BMC Biology, 2011, 9, 76.	1.7	27
9	Research Highlights. Pharmacogenomics, 2011, 12, 1637-1639.	0.6	1
10	Targeted isolation of cloned genomic regions by recombineering for haplotype phasing and isogenic targeting. Nucleic Acids Research, 2011, 39, e137-e137.	6.5	14
11	Swift, flexible knockouts. Nature Methods, 2011, 8, 617-617.	9.0	0
12	Requirement of argininosuccinate lyase for systemic nitric oxide production. Nature Medicine, 2011, 17, 1619-1626.	15.2	189
13	Rapid-Throughput Skeletal Phenotyping of 100 Knockout Mice Identifies 9 New Genes That Determine Bone Strength. PLoS Genetics, 2012, 8, e1002858.	1.5	73
14	Structural and Functional Characterization of Two Alternative Splicing Variants of Mouse Endothelial Cell-Specific Chemotaxis Regulator (ECSCR). International Journal of Molecular Sciences, 2012, 13, 4920-4936.	1.8	7
15	Culture parameters for stable expansion, genetic modification and germline transmission of rat pluripotent stem cells. Biology Open, 2012, 1, 58-65.	0.6	32
16	Community gene annotation in practice. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas009-bas009.	1.4	26
17	Bromodomain-dependent stage-specific male genome programming by Brdt. EMBO Journal, 2012, 31, 3809-3820.	3.5	216
18	Disruption of Mouse Cenpj, a Regulator of Centriole Biogenesis, Phenocopies Seckel Syndrome. PLoS Genetics, 2012, 8, e1003022.	1.5	84

#	Article	IF	Citations
19	Modelling Human Regulatory Variation in Mouse: Finding the Function in Genome-Wide Association Studies and Whole-Genome Sequencing. PLoS Genetics, 2012, 8, e1002544.	1.5	16
20	Experimental Validation of Ankrd17 and Anapc10, Two Novel Meiotic Genes Predicted by Computational Models in Mice1. Biology of Reproduction, 2012, 86, 102.	1.2	5
21	Exploring the elephant: histopathology in high-throughput phenotyping of mutant mice. DMM Disease Models and Mechanisms, 2012, 5, 19-25.	1.2	32
22	Disruption of IFT Complex A Causes Cystic Kidneys without Mitotic Spindle Misorientation. Journal of the American Society of Nephrology: JASN, 2012, 23, 641-651.	3.0	103
23	New insights into behaviour using mouse ENU mutagenesis. Human Molecular Genetics, 2012, 21, R72-R81.	1.4	27
24	Germline ablation of SMUG1 DNA glycosylase causes loss of 5-hydroxymethyluracil- and UNG-backup uracil-excision activities and increases cancer predisposition of Ungâ^'/â^'Msh2â^'/â^' mice. Nucleic Acids Research, 2012, 40, 6016-6025.	6.5	89
25	Mixture of differentially tagged Tol2 transposons accelerates conditional disruption of a broad spectrum of genes in mouse embryonic stem cells. Nucleic Acids Research, 2012, 40, e97-e97.	6.5	10
26	Comparative Analysis of Tumorâ€Infiltrating Lymphocytes in a Syngeneic Mouse Model of Oral Cancer. Otolaryngology - Head and Neck Surgery, 2012, 147, 493-500.	1.1	63
27	Lost in Transgenesis. Circulation Research, 2012, 111, 761-777.	2.0	92
28	Generation of mouse mutants as tools in dissecting the molecular clock. Progress in Brain Research, 2012, 199, 247-265.	0.9	1
29	Generation of Induced Pluripotent Stem Cells From Buffalo (Bubalus bubalis) Fetal Fibroblasts with Buffalo Defined Factors. Stem Cells and Development, 2012, 21, 2485-2494.	1.1	53
30	Functional genomic resources. Nature Methods, 2012, 9, 35-35.	9.0	1
31	The Role of Sphingosine-1-Phosphate Transporter Spns2 in Immune System Function. Journal of Immunology, 2012, 189, 102-111.	0.4	90
32	Cardiac-Specific Inducible and Conditional Gene Targeting in Mice. Circulation Research, 2012, 110, 1498-1512.	2.0	61
33	Beyond Genome-Wide Association Studies. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 207-215.	1.1	5
34	The Gene or Not the Geneâ€"That Is the Question. Veterinary Pathology, 2012, 49, 5-15.	0.8	13
35	The Mouse as a Developmental Model for Cleft Lip and Palate Research. Frontiers of Oral Biology, 2012, 16, 32-51.	1.5	22
36	Retinal Lesions and Other Potential Confounders of Ocular Research in Inbred Mice. , 2012, 53, 3764.		5

#	Article	IF	Citations
37	High-Resolution Genetic Mapping Using the Mouse Diversity Outbred Population. Genetics, 2012, 190, 437-447.	1.2	437
38	Nuclear Receptor Variants in Liver Disease. Journal of Lipids, 2012, 2012, 1-12.	1.9	4
39	The importance of identifying alternative splicing in vertebrate genome annotation. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas014.	1.4	28
40	Conditional control of gene function by an invertible gene trap in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15389-15394.	3.3	66
41	Isolation of homozygous mutant mouse embryonic stem cells using a dual selection system. Nucleic Acids Research, 2012, 40, e21-e21.	6.5	21
42	Transposon-mediated BAC transgenesis in human ES cells. Nucleic Acids Research, 2012, 40, e150-e150.	6.5	109
43	Clone DB: an integrated NCBI resource for clone-associated data. Nucleic Acids Research, 2012, 41, D1070-D1078.	6.5	14
44	Towards an encyclopaedia of mammalian gene function: the International Mouse Phenotyping Consortium. DMM Disease Models and Mechanisms, 2012, 5, 289-292.	1.2	140
45	Zebrafish homologs of 16p11.2, a genomic region associated with brain disorders, are active during brain development, and include two deletion dosage sensor genes. DMM Disease Models and Mechanisms, 2012, 5, 834-51.	1.2	76
46	An Optimized Procedure for Fluorescence-activated Cell Sorting (FACS) Isolation of Autonomic Neural Progenitors from Visceral Organs of Fetal Mice. Journal of Visualized Experiments, 2012, , e4188.	0.2	4
47	Intersectional Cre Driver Lines Generated Using Split-Intein Mediated Split-Cre Reconstitution. Scientific Reports, 2012, 2, 497.	1.6	62
48	The critical role of histone H2A-deubiquitinase Mysm1 in hematopoiesis and lymphocyte differentiation. Blood, 2012, 119, 1370-1379.	0.6	87
49	A fast and sensitive alternative for Î²-galactosidase detection in mouse embryos. Development (Cambridge), 2012, 139, 4484-4490.	1.2	32
50	Sphingosine-1-phosphate lyase expression in embryonic and adult murine tissues. Journal of Lipid Research, 2012, 53, 1920-1931.	2.0	40
51	Accessing and Mining Data from Large-Scale Mouse Phenotyping Projects. International Review of Neurobiology, 2012, 104, 47-70.	0.9	9
52	Recombination-Mediated Genetic Engineering of Plasmodium berghei DNA. Methods in Molecular Biology, 2012, 923, 127-138.	0.4	27
53	Comparison of male chimeric mice generated from microinjection of JM8.N4 embryonic stem cells into C57BL/6J and C57BL/6NTac blastocysts. Transgenic Research, 2012, 21, 1149-1158.	1.3	8
54	Computational tools for comparative phenomics: the role and promise of ontologies. Mammalian Genome, 2012, 23, 669-679.	1.0	19

#	Article	IF	Citations
55	Mouse large-scale phenotyping initiatives: overview of the European Mouse Disease Clinic (EUMODIC) and of the Wellcome Trust Sanger Institute Mouse Genetics Project. Mammalian Genome, 2012, 23, 600-610.	1.0	133
56	The Mammalian Phenotype Ontology as a unifying standard for experimental and high-throughput phenotyping data. Mammalian Genome, 2012, 23, 653-668.	1.0	159
57	The mammalian gene function resource: the international knockout mouse consortium. Mammalian Genome, 2012, 23, 580-586.	1.0	292
58	The International Mouse Phenotyping Consortium: past and future perspectives on mouse phenotyping. Mammalian Genome, 2012, 23, 632-640.	1.0	257
59	Accessing data from the International Mouse Phenotyping Consortium: state of the art and future plans. Mammalian Genome, 2012, 23, 641-652.	1.0	37
60	MASTR: A Technique for Mosaic Mutant Analysis with Spatial and Temporal Control of Recombination Using Conditional Floxed Alleles in Mice. Cell Reports, 2012, 2, 386-396.	2.9	88
61	Flp and Cre expressed from Flpâ€“2Aâ€“Cre and Flpâ€“IRESâ€“Cre transcription units mediate the highest level of dual recombinase-mediated cassette exchange. Nucleic Acids Research, 2012, 40, e62-e62.	6.5	41
62	MEGF10 and MEGF11 mediate homotypic interactions required for mosaic spacing of retinal neurons. Nature, 2012, 483, 465-469.	13.7	170
63	Comparison of gene-trapping efficiency between retroviral and lentiviral vectors in mouse embryonic stem cells. Biochemical and Biophysical Research Communications, 2012, 425, 297-303.	1.0	4
64	IFT25 Links the Signal-Dependent Movement of Hedgehog Components to Intraflagellar Transport. Developmental Cell, 2012, 22, 940-951.	3.1	196
65	Life in the Fast Lane: Mammalian Disease Models in the Genomics Era. Cell, 2012, 148, 1099-1109.	13.5	70
66	A Resource for the Conditional Ablation of microRNAs in the Mouse. Cell Reports, 2012, 1, 385-391.	2.9	163
67	Origins and Phylogenetic Relationships of the Laboratory Mouse. , 2012, , 3-20.		1
68	Generation of Mouse Mutants by Genotype-Driven Mutagenesis. , 2012, , 91-114.		0
69	Largeâ€scale mouse knockouts and phenotypes. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2012, 4, 547-563.	6.6	6
70	LoxP-FRT Trap (LOFT): a simple and flexible system for conventional and reversible gene targeting. BMC Biology, 2012, 10, 96.	1.7	13
71	A pink mouse reports the switch from red to green fluorescence upon Cre-mediated recombination. BMC Research Notes, 2012, 5, 296.	0.6	5
72	Pluripotency and its layers of complexity. Cell Regeneration, 2012, 1, 1:7.	1.1	5

#	Article	IF	Citations
73	Using mouse models to study function of transcriptional factors in T cell development. Cell Regeneration, 2012, 1, 1:8.	1.1	1
74	Modeling resilience to schizophrenia in genetically modified mice: a novel approach to drug discovery. Expert Review of Neurotherapeutics, 2012, 12, 785-799.	1.4	23
75	The BTB-ZF transcription factors. Cell Cycle, 2012, 11, 3358-3369.	1.3	106
76	Conditional gene manipulation: Cre-ating a new biological era. Journal of Zhejiang University: Science B, 2012, 13, 511-524.	1.3	41
77	Genome-wide association studies in mice. Nature Reviews Genetics, 2012, 13, 807-817.	7.7	172
78	From Mice to Humans. Current Diabetes Reports, 2012, 12, 651-658.	1.7	11
79	Directed Differentiation of Embryonic Stem Cells Allows Exploration of Novel Transcription Factor Genes for Pancreas Development. Stem Cell Reviews and Reports, 2012, 8, 803-812.	5.6	8
80	High-efficiency counterselection recombineering for site-directed mutagenesis in bacterial artificial chromosomes. Nature Methods, 2012, 9, 103-109.	9.0	52
81	Lack of endothelial diaphragms in fenestrae and caveolae of mutant Plvap-deficient mice. Histochemistry and Cell Biology, 2012, 138, 709-724.	0.8	67
82	Genetics of Meiosis and Recombination in Mice. International Review of Cell and Molecular Biology, 2012, 298, 179-227.	1.6	86
84	Improving Disease Gene Prioritization by Comparing the Semantic Similarity of Phenotypes in Mice with Those of Human Diseases. PLoS ONE, 2012, 7, e38937.	1.1	19
85	Improving Lambda Red Genome Engineering in Escherichia coli via Rational Removal of Endogenous Nucleases. PLoS ONE, 2012, 7, e44638.	1.1	77
86	Application of a Novel Strategy of Engineering Conditional Alleles to a Single Exon Gene, Sox2. PLoS ONE, 2012, 7, e45768.	1.1	12
87	De Novo Origin of Protein-Coding Genes in Murine Rodents. PLoS ONE, 2012, 7, e48650.	1.1	45
88	Novel Reporter Alleles of GSK-3Î± and GSK-3Î². PLoS ONE, 2012, 7, e50422.	1.1	13
89	A Genome-Wide Screen to Identify Transcription Factors Expressed in Pelvic Ganglia of the Lower Urinary Tract. Frontiers in Neuroscience, 2012, 6, 130.	1.4	17
90	Cryopreservation of Embryos from Model Animals and Human. , 2012, , .		0
91	Genetic marking and characterization of Tac2-expressing neurons in the central and peripheral nervous system. Molecular Brain, 2012, 5, 3.	1.3	30

#	Article	IF	Citations
92	Genetic controls and cellular behaviors in branching morphogenesis of the renal collecting system. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 693-713.	5.9	97
93	iRhom2 is required for the secretion of mouse TNFÎ±. Blood, 2012, 119, 5769-5771.	0.6	84
94	Highlyâ€efficient, fluorescent, locus directed cre and FlpO deleter mice on a pure C57BL/6N genetic background. Genesis, 2012, 50, 482-489.	0.8	55
95	Generation of Dhx9â€deficient clones in Tâ€cell development with a mitotic recombination technique. Genesis, 2012, 50, 543-551.	0.8	4
96	Mouse genetic and phenotypic resources for human genetics. Human Mutation, 2012, 33, 826-836.	1.1	58
97	Integration of global resources for human genetic variation and disease. Human Mutation, 2012, 33, 813-816.	1.1	9
98	Tandem fluorescent protein timers for in vivo analysis of protein dynamics. Nature Biotechnology, 2012, 30, 708-714.	9.4	239
99	Animal Models in Cardiovascular MRI Research: Value and Limitations. Current Cardiovascular Imaging Reports, 2012, 5, 99-108.	0.4	3
100	Translational genetic approaches to substance use disorders: bridging the gap between mice and humans. Human Genetics, 2012, 131, 931-939.	1.8	9
101	Utility of genetically modified mice for understanding the neurobiology of substance use disorders. Human Genetics, 2012, 131, 941-957.	1.8	24
102	Chemical-genomic profiling: Systematic analysis of the cellular targets of bioactive molecules. Bioorganic and Medicinal Chemistry, 2012, 20, 1952-1960.	1.4	36
103	DISSECTING THE GENETIC ARCHITECTURE OF F₁HYBRID STERILITY IN HOUSE MICE. Evolution; International Journal of Organic Evolution, 2012, 66, 3321-3335.	1.1	58
104	Experimental and husbandry procedures as potential modifiers of the results of phenotyping tests. Physiology and Behavior, 2012, 106, 602-611.	1.0	38
105	Cytokine Reporter Mice: The Special Case of ILâ€10. Scandinavian Journal of Immunology, 2012, 75, 553-567.	1.3	31
106	Patterning of preâ€thalamic somatosensory pathways. European Journal of Neuroscience, 2012, 35, 1533-1539.	1.2	15
107	An analysis of deformationâ€dependent electromechanical coupling in the mouse heart. Journal of Physiology, 2012, 590, 4553-4569.	1.3	73
108	MouseFinder: Candidate disease genes from mouse phenotype data. Human Mutation, 2012, 33, 858-866.	1.1	53
109	The PfNFâ€YB transcription factor is a downstream target of melatonin and cAMP signalling in the human malaria parasite Plasmodium falciparum. Journal of Pineal Research, 2013, 54, 145-153.	3.4	23

#	Article	IF	Citations
110	Diagnostics in Plant Breeding. , 2013, , .		2
111	The transience of transient overexpression. Nature Methods, 2013, 10, 715-721.	9.0	203
112	Myomaker is a membrane activator of myoblast fusion and muscle formation. Nature, 2013, 499, 301-305.	13.7	440
113	Engineering subtle targeted mutations into the mouse genome. Genesis, 2013, 51, 605-618.	0.8	38
114	A Protocol for Construction of Gene Targeting Vectors and Generation of Homologous Recombinant Embryonic Stem Cells. Methods in Molecular Biology, 2013, 1064, 337-354.	0.4	9
115	Molecular Characterization of Mutant Mouse Strains Generated from the EUCOMM/KOMP-CSD ES Cell Resource. Mammalian Genome, 2013, 24, 286-294.	1.0	62
116	High-fat feeding rapidly induces obesity and lipid derangements in C57BL/6N mice. Mammalian Genome, 2013, 24, 240-251.	1.0	71
117	Combining sperm plug genotyping and coat color chimerism predicts germline transmission. Transgenic Research, 2013, 22, 1265-1272.	1.3	2
118	Virus-Host Interactions. Methods in Molecular Biology, 2013, , .	0.4	2
119	Dissecting Quantitative Traits in Mice. Annual Review of Genomics and Human Genetics, 2013, 14, 421-439.	2.5	28
120	Model Systems for Studying Kisspeptin Signalling: Mice and Cells. Advances in Experimental Medicine and Biology, 2013, 784, 481-503.	0.8	9
121	Statistical Learning With Time Series Dependence: An Application to Scoring Sleep in Mice. Journal of the American Statistical Association, 2013, 108, 1147-1162.	1.8	14
122	Expression of proline-rich coiled-coil 2B protein in developing rat brains. Neuroscience Letters, 2013, 557, 171-176.	1.0	5
123	Mouse SAMHD1 Has Antiretroviral Activity and Suppresses a Spontaneous Cell-Intrinsic Antiviral Response. Cell Reports, 2013, 4, 689-696.	2.9	139
124	Generation of mutant mice by pronuclear injection of circular plasmid expressing Cas9 and single guided RNA. Scientific Reports, 2013, 3, 3355.	1.6	370
125	Atg16l1 is Required for Autophagy in Intestinal Epithelial Cells and Protection of Mice From Salmonella Infection. Gastroenterology, 2013, 145, 1347-1357.	0.6	211
126	Bridging the Gap Between Genetic Associations and Molecular Mechanisms for Type 2 Diabetes. Current Diabetes Reports, 2013, 13, 778-785.	1.7	10
127	In Vitro and In Vivo Mouse Models for Pharmacogenetic Studies. Methods in Molecular Biology, 2013, 1015, 263-278.	0.4	8

#	Article	IF	Citations
128	On and Off Retinal Circuit Assembly by Divergent Molecular Mechanisms. Science, 2013, 342, 1241974.	6.0	128
129	The mouse C9ORF72 ortholog is enriched in neurons known to degenerate in ALS and FTD. Nature Neuroscience, 2013, 16, 1725-1727.	7.1	67
130	Accelerating Cancer Modeling with RNAi and Nongermline Genetically Engineered Mouse Models. Cold Spring Harbor Protocols, 2013, 2013, pdb.top069856.	0.2	17
131	Mouse Models for Human Diseases by Forward and Reverse Genetics. , 2013, , 833-859.		2
132	Seamless genome editing in human pluripotent stem cells using custom endonucleaseâ€“based gene targeting and the piggyBac transposon. Nature Protocols, 2013, 8, 2061-2078.	5.5	80
133	Array of biodegradable microrafts for isolation and implantation of living, adherent cells. RSC Advances, 2013, 3, 9264.	1.7	14
134	C57BL/6N Mutation in Cytoplasmic FMRP interacting protein 2 Regulates Cocaine Response. Science, 2013, 342, 1508-1512.	6.0	198
135	Evaluation of research in biomedical ontologies. Briefings in Bioinformatics, 2013, 14, 696-712.	3.2	60
136	Conditionals by inversion provide a universal method for the generation of conditional alleles. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3179-88.	3.3	64
137	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. Genome Biology, 2013, 14, R82.	13.9	403
138	Cell death by cornification. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3471-3480.	1.9	358
139	microRNAs and cartilage. Journal of Orthopaedic Research, 2013, 31, 1333-1344.	1.2	43
140	Differential proteomic analysis of caveolin-1 KO cells reveals Sh2b3 and Clec12b as novel interaction partners of caveolin-1 and Capns1 as a potential mediator of caveolin-1-induced apoptosis. Analyst, The, 2013, 138, 6986.	1.7	5
141	The histone demethylase UTX regulates stem cell migration and hematopoiesis. Blood, 2013, 121, 2462-2473.	0.6	93
142	Production of mouse pups from germline transmission-failed knockout chimeras. Transgenic Research, 2013, 22, 195-200.	1.3	70
143	Mechanistic basis of infertility of mouse intersubspecific hybrids. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E468-77.	3.3	157
144	Rbx2 Regulates Neuronal Migration through Different Cullin 5-RING Ligase Adaptors. Developmental Cell, 2013, 27, 399-411.	3.1	48
145	Genome-wide Generation and Systematic Phenotyping of Knockout Mice Reveals New Roles for Many Genes. Cell, 2013, 154, 452-464.	13.5	449

#	Article	IF	Citations
146	Decoupling Epigenetic and Genetic Effects through Systematic Analysis of Gene Position. Cell Reports, 2013, 3, 128-137.	2.9	56
147	Male mice housed in groups engage in frequent fighting and show a lower response to additional bone loading than females or individually housed males that do not fight. Bone, 2013, 54, 113-117.	1.4	61
148	Moving H5N1 studies into the era of systems biology. Virus Research, 2013, 178, 151-167.	1.1	14
149	Pitpnm1 is expressed in hair cells during development but is not required for hearing. Neuroscience, 2013, 248, 620-625.	1.1	11
150	Histone H3 lysine 9 methyltransferases, G9a and GLP are essential for cardiac morphogenesis. Mechanisms of Development, 2013, 130, 519-531.	1.7	39
151	Human pluripotent stem cells: an emerging model in developmental biology. Development (Cambridge), 2013, 140, 705-717.	1.2	155
152	Which way does the citric acid cycle turn during hypoxia? The critical role of Î±â€ketoglutarate dehydrogenase complex. Journal of Neuroscience Research, 2013, 91, 1030-1043.	1.3	105
153	Computational Drug Repositioning: From Data to Therapeutics. Clinical Pharmacology and Therapeutics, 2013, 93, 335-341.	2.3	321
154	Lower urinary tract development and disease. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2013, 5, 307-342.	6.6	74
155	mSYD1A, a Mammalian Synapse-Defective-1 Protein, Regulates Synaptogenic Signaling and Vesicle Docking. Neuron, 2013, 78, 1012-1023.	3.8	47
157	A NETWORK-BASED APPROACH FOR PREDICTING HSP27 KNOCK-OUT TARGETS IN MOUSE SKELETAL MUSCLES. Computational and Structural Biotechnology Journal, 2013, 6, e201303008.	1.9	9
158	Fruit flies as a powerful model to drive or validate pain genomics efforts. Pharmacogenomics, 2013, 14, 1879-1887.	0.6	9
159	Targeted mutagenesis tools for modelling psychiatric disorders. Cell and Tissue Research, 2013, 354, 9-25.	1.5	16
160	Current status of drug screening and disease modelling in human pluripotent stem cells. BioEssays, 2013, 35, 281-298.	1.2	89
161	Bloomsbury report on mouse embryo phenotyping: recommendations from the IMPC workshop on embryonic lethal screening. DMM Disease Models and Mechanisms, 2013, 6, 571-9.	1.2	63
162	The Role of GH in Adipose Tissue: Lessons from Adipose-Specific GH Receptor Gene-Disrupted Mice. Molecular Endocrinology, 2013, 27, 524-535.	3.7	131
163	Pittâ€“Hopkins Syndrome: intellectual disability due to loss of TCF4-regulated gene transcription. Experimental and Molecular Medicine, 2013, 45, e21-e21.	3.2	91
164	The PR/SET Domain Zinc Finger Protein Prdm4 Regulates Gene Expression in Embryonic Stem Cells but Plays a Nonessential Role in the Developing Mouse Embryo. Molecular and Cellular Biology, 2013, 33, 3936-3950.	1.1	27

#	Article	IF	Citations
165	The non-obese diabetic mouse sequence, annotation and variation resource: an aid for investigating type 1 diabetes. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat032.	1.4	17
166	The Malarial Serine Protease SUB1 Plays an Essential Role in Parasite Liver Stage Development. PLoS Pathogens, 2013, 9, e1003811.	2.1	34
167	Integrating multi-scale data to create a virtual physiological mouse heart. Interface Focus, 2013, 3, 20120076.	1.5	10
168	PhenoDigm: analyzing curated annotations to associate animal models with human diseases. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat025-bat025.	1.4	115
169	Gene Targeting in Mice: A Review. Methods in Molecular Biology, 2013, 1064, 315-336.	0.4	128
170	Genomic analysis of a novel spontaneous albino C57BL/6N mouse strain. Genesis, 2013, 51, 523-528.	0.8	2
171	Epigenetic control of natural killer cell maturation by histone H2A deubiquitinase, MYSM1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3927-36.	3.3	59
172	PosMed: ranking genes and bioresources based on Semantic Web Association Study. Nucleic Acids Research, 2013, 41, W109-W114.	6.5	15
173	The Transcription Factor Paired-Related Homeobox 1 (Prrx1) Inhibits Adipogenesis by Activating Transforming Growth Factor-Î² (TGFÎ²) Signaling. Journal of Biological Chemistry, 2013, 288, 3036-3047.	1.6	56
174	The CXCR1/2 ligand NAP-2 promotes directed intravascular leukocyte migration through platelet thrombi. Blood, 2013, 121, 4555-4566.	0.6	113
175	Novel ROSA26 Cre-reporter Knock-in C57BL/6N Mice Exhibiting Green Emission before and Red Emission after Cre-mediated Recombination. Experimental Animals, 2013, 62, 295-304.	0.7	53
176	Planning Sleep-Related Animal and Translational Research. , 2013, , 139-150.		0
177	Social Investigation and Long-Term Recognition Memory Performance in 129S1/SvImJ and C57BL/6JOlaHsd Mice and Their Hybrids. PLoS ONE, 2013, 8, e54427.	1.1	3
178	A Universal Vector for High-Efficiency Multi-Fragment Recombineering of BACs and Knock-In Constructs. PLoS ONE, 2013, 8, e62054.	1.1	4
179	Gene Expression Analysis of Zebrafish Melanocytes, Iridophores, and Retinal Pigmented Epithelium Reveals Indicators of Biological Function and Developmental Origin. PLoS ONE, 2013, 8, e67801.	1.1	90
180	Direct Cloning of Isogenic Murine DNA in Yeast and Relevance of Isogenicity for Targeting in Embryonic Stem Cells. PLoS ONE, 2013, 8, e74207.	1.1	2
181	AMP Deaminase 3 Deficiency Enhanced 5â€²-AMP Induction of Hypometabolism. PLoS ONE, 2013, 8, e75418.	1.1	15
182	The Ciliary Protein Cystin Forms a Regulatory Complex with Necdin to Modulate Myc Expression. PLoS ONE, 2013, 8, e83062.	1.1	17

#	Article	IF	Citations
183	Mouse Genetics. , 2013, , 486-488.		2
184	Targeting of Slc25a21 Is Associated with Orofacial Defects and Otitis Media Due to Disrupted Expression of a Neighbouring Gene. PLoS ONE, 2014, 9, e91807.	1.1	30
185	The Interferon-Induced Gene Ifi27l2a is Active in Lung Macrophages and Lymphocytes After Influenza A Infection but Deletion of Ifi27l2a in Mice Does Not Increase Susceptibility to Infection. PLoS ONE, 2014, 9, e106392.	1.1	23
186	BAF200 Is Required for Heart Morphogenesis and Coronary Artery Development. PLoS ONE, 2014, 9, e109493.	1.1	33
187	Formation of a Polarised Primitive Endoderm Layer in Embryoid Bodies Requires Fgfr/Erk Signalling. PLoS ONE, 2014, 9, e95434.	1.1	8
188	Human Gene Discovery for Understanding Development of the Inner Ear and Hearing Loss. , 2014, , 107-127.		1
191	Stability of Cryopreserved Samples of Mutant Mice. Biopreservation and Biobanking, 2014, 12, 343-350.	0.5	5
192	Demystifying the nuclear function of Argonaute proteins. RNA Biology, 2014, 11, 18-24.	1.5	49
193	Susceptibility to klebsiella pneumonaie infection in collaborative cross mice is a complex trait controlled by at least three loci acting at different time points. BMC Genomics, 2014, 15, 865.	1.2	55
194	Intestinal cell kinase, a protein associated with endocrine-cerebro-osteodysplasia syndrome, is a key regulator of cilia length and Hedgehog signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8541-8546.	3.3	74
195	Expression atlas of the multivalent epigenetic regulator Brpf1 and its requirement for survival of mouse embryos. Epigenetics, 2014, 9, 860-872.	1.3	26
196	A Nutritional Conditional Lethal Mutant Due to Pyridoxine 5â€²-Phosphate Oxidase Deficiency inDrosophila melanogaster. G3: Genes, Genomes, Genetics, 2014, 4, 1147-1154.	0.8	9
197	Loss of Keratin K2 Expression Causes Aberrant Aggregation of K10, Hyperkeratosis, and Inflammation. Journal of Investigative Dermatology, 2014, 134, 2579-2588.	0.3	31
198	Gene Model 129 (Gm129) Encodes a Novel Transcriptional Repressor That Modulates Circadian Gene Expression. Journal of Biological Chemistry, 2014, 289, 5013-5024.	1.6	54
199	The autism and schizophrenia associated gene CYFIP1 is critical for the maintenance of dendritic complexity and the stabilization of mature spines. Translational Psychiatry, 2014, 4, e374-e374.	2.4	167
200	Haploinsufficiency of Dmxl2, Encoding a Synaptic Protein, Causes Infertility Associated with a Loss of GnRH Neurons in Mouse. PLoS Biology, 2014, 12, e1001952.	2.6	66
201	The Vertebrate Genome Annotation browser 10 years on. Nucleic Acids Research, 2014, 42, D771-D779.	6.5	41
202	The Nerve Growth Factor Signaling and Its Potential as Therapeutic Target for Glaucoma. BioMed Research International, 2014, 2014, 1-10.	0.9	64

#	Article	IF	Citations
203	Cholesterol Transporters of the START Domain Protein Family in Health and Disease. , 2014, , .		2
204	Meiosis-Specific Cohesin Component, Stag3 Is Essential for Maintaining Centromere Chromatid Cohesion, and Required for DNA Repair and Synapsis between Homologous Chromosomes. PLoS Genetics, 2014, 10, e1004413.	1.5	101
205	Identification of Genes Important for Cutaneous Function Revealed by a Large Scale Reverse Genetic Screen in the Mouse. PLoS Genetics, 2014, 10, e1004705.	1.5	20
206	Spinster Homolog 2 (Spns2) Deficiency Causes Early Onset Progressive Hearing Loss. PLoS Genetics, 2014, 10, e1004688.	1.5	54
207	Implications of genomic signatures in the differential vulnerability to fetal alcohol exposure in C57BL/6 and DBA/2 mice. Frontiers in Genetics, 2014, 5, 173.	1.1	13
208	Keratin 76 Is Required for Tight Junction Function and Maintenance of the Skin Barrier. PLoS Genetics, 2014, 10, e1004706.	1.5	32
209	Machine Learning Helps Identify CHRONO as a Circadian Clock Component. PLoS Biology, 2014, 12, e1001840.	2.6	109
210	Disruption of the potassium channel regulatory subunit KCNE2 causes iron-deficient anemia. Experimental Hematology, 2014, 42, 1053-1058.e1.	0.2	8
211	Loss of Î²2-spectrin prevents cardiomyocyte differentiation and heart development. Cardiovascular Research, 2014, 101, 39-47.	1.8	28
212	Target-Independent EphrinA/EphA-Mediated Axon-Axon Repulsion as a Novel Element in Retinocollicular Mapping. Neuron, 2014, 84, 740-752.	3.8	42
213	Conditional inactivation of PDCD2 induces p53 activation and cell cycle arrest. Biology Open, 2014, 3, 821-831.	0.6	10
214	Histopathology reveals correlative and unique phenotypes in a high throughput mouse phenotyping screen. DMM Disease Models and Mechanisms, 2014, 7, 515-24.	1.2	44
215	Automated pipeline for anatomical phenotyping of mouse embryos using micro-CT. Development (Cambridge), 2014, 141, 2533-2541.	1.2	46
216	Translating human genetics into mouse: The impact of ultraâ€rapid in vivo genome editing. Development Growth and Differentiation, 2014, 56, 34-45.	0.6	32
217	Mouse models for Aicardiâ€“GoutiÃ¨res syndrome provide clues to the molecular pathogenesis of systemic autoimmunity. Clinical and Experimental Immunology, 2013, 175, 9-16.	1.1	22
219	Generation of mice carrying a knockoutâ€first and conditionalâ€ready allele of transforming growth factor beta2 gene. Genesis, 2014, 52, 817-826.	0.8	13
220	Germline transgenesis in rodents by pronuclear microinjection of Sleeping Beauty transposons. Nature Protocols, 2014, 9, 773-793.	5.5	57
221	Novel skin phenotypes revealed by a genome-wide mouse reverse genetic screen. Nature Communications, 2014, 5, 3540.	5.8	46

#	Article	IF	Citations
222	American Thyroid Association Guide to Investigating Thyroid Hormone Economy and Action in Rodent and Cell Models. Thyroid, 2014, 24, 88-168.	2.4	173
223	Whole exome sequencing identifies variation in CYB5A and RNF10 associated with adiposity and type 2 diabetes. Obesity, 2014, 22, 984-988.	1.5	37
224	Database for exchangeable gene trap clones: Pathway and gene ontology analysis of exchangeable gene trap clone mouse lines. Development Growth and Differentiation, 2014, 56, 161-174.	0.6	16
225	Î²-Pix directs collective migration of anterior visceral endoderm cells in the early mouse embryo. Genes and Development, 2014, 28, 2764-2777.	2.7	45
226	The International Mouse Phenotyping Consortium Web Portal, a unified point of access for knockout mice and related phenotyping data. Nucleic Acids Research, 2014, 42, D802-D809.	6.5	252
227	Epithelial IL-22RA1-Mediated Fucosylation Promotes Intestinal Colonization Resistance to an Opportunistic Pathogen. Cell Host and Microbe, 2014, 16, 504-516.	5.1	237
228	Binary recombinase systems for high-resolution conditional mutagenesis. Nucleic Acids Research, 2014, 42, 3894-3907.	6.5	84
229	Comparison of sequence variants in transcriptomic control regions across 17 mouse genomes. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau020.	1.4	4
230	Databases, Internet Resources, and Genetic Nomenclature. , 2014, , 657-689.		1
231	Genetic Manipulation of Toxoplasma gondii. , 2014, , 577-611.		20
232	Genetic screens in mice for genome integrity maintenance and cancer predisposition. Current Opinion in Genetics and Development, 2014, 24, 1-7.	1.5	1
233	All-in-One inducible lentiviral vector systems based on drug controlled FLP recombinase. Biomaterials, 2014, 35, 4345-4356.	5.7	21
234	The dual roles of geminin during trophoblast proliferation and differentiation. Developmental Biology, 2014, 387, 49-63.	0.9	15
235	Rho family small G proteins: Lessons from tissue-specific gene knockout studies. Journal of Oral Biosciences, 2014, 56, 23-29.	0.8	1
236	The genomic basis of vomeronasal-mediated behaviour. Mammalian Genome, 2014, 25, 75-86.	1.0	81
237	Rapid conversion of EUCOMM/KOMP-CSD alleles in mouse embryos using a cell-permeable Cre recombinase. Transgenic Research, 2014, 23, 177-185.	1.3	40
238	Feasibility for a large scale mouse mutagenesis by injecting CRISPR/Cas plasmid into zygotes. Development Growth and Differentiation, 2014, 56, 122-129.	0.6	75
239	Perspectives on Auditory Research. Springer Handbook of Auditory Research, 2014, , .	0.3	9

#	Article	IF	Citations
240	Juno is the egg Izumo receptor and is essential for mammalian fertilization. Nature, 2014, 508, 483-487.	13.7	488
241	H2A-DUBbing the mammalian epigenome: Expanding frontiers for histone H2A deubiquitinating enzymes in cell biology and physiology. International Journal of Biochemistry and Cell Biology, 2014, 50, 161-174.	1.2	40
242	Functional polymorphisms in Toll-like receptor genes for innate immunity in farm animals. Veterinary Immunology and Immunopathology, 2014, 157, 1-11.	0.5	35
243	Î±/Î²-Hydrolase Domain-6-Accessible Monoacylglycerol Controls Glucose-Stimulated Insulin Secretion. Cell Metabolism, 2014, 19, 993-1007.	7.2	125
244	Chd5 orchestrates chromatin remodelling during sperm development. Nature Communications, 2014, 5, 3812.	5.8	82
245	Genetics of essential tremor: From phenotype to genes, insights from both human and mouse studies. Progress in Neurobiology, 2014, 119-120, 1-19.	2.8	27
246	Prioritization of neurodevelopmental disease genes by discovery of new mutations. Nature Neuroscience, 2014, 17, 764-772.	7.1	148
247	Improved seamless mutagenesis by recombineering using ccdB for counterselection. Nucleic Acids Research, 2014, 42, e37-e37.	6.5	113
248	Mouse Molecular Embryology. Methods in Molecular Biology, 2014, , .	0.4	2
249	Efficient genome engineering by targeted homologous recombination in mouse embryos using transcription activator-like effector nucleases. Nature Communications, 2014, 5, 3045.	5.8	39
250	Systems biology for hepatologists. Hepatology, 2014, 60, 736-743.	3.6	15
251	Exploiting pluripotent stem cell technology for drug discovery, screening, safety, and toxicology assessments. Advanced Drug Delivery Reviews, 2014, 69-70, 170-178.	6.6	25
252	Disparities in auditory physiology and pathology between C57BL/6J and C57BL/6N substrains. Hearing Research, 2014, 318, 18-22.	0.9	20
253	A next-generation dual-recombinase system for time- and host-specific targeting of pancreatic cancer. Nature Medicine, 2014, 20, 1340-1347.	15.2	188
254	The functional diversity of essential genes required for mammalian cardiac development. Genesis, 2014, 52, 713-737.	0.8	15
255	Loss of Wdfy3 in mice alters cerebral cortical neurogenesis reflecting aspects of the autism pathology. Nature Communications, 2014, 5, 4692.	5.8	74
256	Defining functional geneâ€circuit interfaces in the mouse nervous system. Genes, Brain and Behavior, 2014, 13, 2-12.	1.1	9
257	WDR72 models of structure and function: A stage-specific regulator of enamel mineralization. Matrix Biology, 2014, 38, 48-58.	1.5	38

#	Article	IF	Citations
258	Myomaker is essential for muscle regeneration. Genes and Development, 2014, 28, 1641-1646.	2.7	141
259	Isolation of rare recombinants without using selectable markers for one-step seamless BAC mutagenesis. Nature Methods, 2014, 11, 966-970.	9.0	11
260	SRA Gene Knockout Protects against Diet-induced Obesity and Improves Glucose Tolerance. Journal of Biological Chemistry, 2014, 289, 13000-13009.	1.6	93
261	Sel1L is indispensable for mammalian endoplasmic reticulum-associated degradation, endoplasmic reticulum homeostasis, and survival. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E582-91.	3.3	148
262	Legal Agreements and the Governance of Research Commons: Lessons from Materials Sharing in Mouse Genomics. OMICS A Journal of Integrative Biology, 2014, 18, 254-273.	1.0	13
263	CRISPR/Cas9-Based Genome Editing in Mice by Single Plasmid Injection. Methods in Enzymology, 2014, 546, 319-336.	0.4	54
264	The SAGA coactivator complex acts on the whole transcribed genome and is required for RNA polymerase II transcription. Genes and Development, 2014, 28, 1999-2012.	2.7	180
266	Ubiquitylation of Autophagy Receptor Optineurin by HACE1 Activates Selective Autophagy for Tumor Suppression. Cancer Cell, 2014, 26, 106-120.	7.7	198
267	Dissecting mammalian immunity through mutation. Immunology and Cell Biology, 2014, 92, 392-399.	1.0	21
268	Conditional targeting of Ispd using paired Cas9 nickase and a single DNA template in mice. FEBS Open Bio, 2014, 4, 637-642.	1.0	36
269	Mapping ecologically relevant social behaviours by gene knockout in wild mice. Nature Communications, 2014, 5, 4569.	5.8	88
270	Alkylglycerone phosphate synthase (AGPS) deficient mice: Models for rhizomelic chondrodysplasia punctata type 3 (RCDP3) malformation syndrome. Molecular Genetics and Metabolism Reports, 2014, 1, 299-311.	0.4	22
271	The new CRISPRâ€“Cas system: RNA-guided genome engineering to efficiently produce any desired genetic alteration in animals. Transgenic Research, 2014, 23, 707-716.	1.3	68
272	A Synthetic Biology Approach Identifies the Mammalian UPR RNA Ligase RtcB. Molecular Cell, 2014, 55, 758-770.	4.5	191
273	Cpeb4-Mediated Translational Regulatory Circuitry Controls Terminal Erythroid Differentiation. Developmental Cell, 2014, 30, 660-672.	3.1	52
274	Cleavage by signal peptide peptidase is required for the degradation of selected tail-anchored proteins. Journal of Cell Biology, 2014, 205, 847-862.	2.3	73
275	A CRISPR view of development. Genes and Development, 2014, 28, 1859-1872.	2.7	194
276	PRC1 complex diversity: where is it taking us?. Trends in Cell Biology, 2014, 24, 632-641.	3.6	148

#	Article	IF	Citations
277	GRASP65 controls the cis Golgi integrity in vivo. Biology Open, 2014, 3, 431-443.	0.6	38
278	The failure of genomics in biology. Trends in Parasitology, 2014, 30, 319-321.	1.5	18
279	Genomic Technologies. , 2014, , 55-72.		3
281	Mouse Genome Engineering Using Designer Nucleases. Journal of Visualized Experiments, 2014, , .	0.2	11
282	Gray platelet syndrome: proinflammatory megakaryocytes and Î±-granule loss cause myelofibrosis and confer metastasis resistance in mice. Blood, 2014, 124, 3624-3635.	0.6	79
283	HOIP Deficiency Causes Embryonic Lethality by Aberrant TNFR1-Mediated Endothelial Cell Death. Cell Reports, 2014, 9, 153-165.	2.9	217
284	Immuno-Electron Microscopy of Primary Cell Cultures from Genetically Modified Animals in Liquid by Atmospheric Scanning Electron Microscopy. Microscopy and Microanalysis, 2014, 20, 469-483.	0.2	25
285	Mouse superkillerâ€2â€like helicase DDX60 is dispensable for type I IFN induction and immunity to multiple viruses. European Journal of Immunology, 2015, 45, 3386-3403.	1.6	33
286	Development of SNP markers for C57BL/6N-derived mouse inbred strains. Experimental Animals, 2015, 64, 91-100.	0.7	29
287	Myo5b knockout mice as a model of microvillus inclusion disease. Scientific Reports, 2015, 5, 12312.	1.6	52
288	Efficient Generation of Mice with Consistent Transgene Expression by FEEST. Scientific Reports, 2015, 5, 16284.	1.6	3
289	Comprehensive comparative homeobox gene annotation in human and mouse. Database: the Journal of Biological Databases and Curation, 2015, 2015, .	1.4	12
290	Subcloning Plus Insertion (SPI) - A Novel Recombineering Method for the Rapid Construction of Gene Targeting Vectors. Journal of Visualized Experiments, 2015, , e52155.	0.2	2
291	Analysis of sleep traits in knockout mice from the large-scale KOMP2 population using a non-invasive, high-throughput piezoelectric system. BMC Bioinformatics, 2015, 16, P15.	1.2	4
292	A loss-of-function and H2B-Venus transcriptional reporter allele for Gata6 in mice. BMC Developmental Biology, 2015, 15, 38.	2.1	54
293	Molecular cloning and partial characterization of a lowâ€density lipoprotein receptorâ€related protein 13 (Lrp13) involved in vitellogenin uptake in the cutthroat trout (Oncorhynchus clarki). Molecular Reproduction and Development, 2015, 82, 986-1000.	1.0	29
294	Models of buffering of dosage imbalances in protein complexes. Biology Direct, 2015, 10, 42.	1.9	18
295	Targetâ€specific variants of Flp recombinase mediate genome engineering reactions in mammalian cells. FEBS Journal, 2015, 282, 3323-3333.	2.2	11

#	Article	IF	Citations
296	Cre recombinase activity is inhibited in vivo but not ex vivo by a mutation in the asymmetric spacer region of the distal lox<scp>P</scp> site. Genesis, 2015, 53, 695-700.	0.8	1
297	Effect of transcription factor ZBTB20 on mouse pituitary development. Genetics and Molecular Research, 2015, 14, 17622-17629.	0.3	4
298	Online High-throughput Mutagenesis Designer Using Scoring Matrix of Sequence-specific Endonucleases. Journal of Integrative Bioinformatics, 2015, 12, 35-48.	1.0	16
299	MouseSlc9a8Mutants Exhibit Retinal Defects Due to Retinal Pigmented Epithelium Dysfunction. , 2015, 56, 3015.		13
300	Morphological Characters and Transcriptome Profiles Associated with Black Skin and Red Skin in Crimson Snapper (Lutjanus erythropterus). International Journal of Molecular Sciences, 2015, 16, 26991-27004.	1.8	21
301	Rapid Knockout and Reporter Mouse Line Generation and Breeding Colony Establishment Using EUCOMM Conditional-Ready Embryonic Stem Cells: A Case Study. Frontiers in Endocrinology, 2015, 6, 105.	1.5	27
302	Modes of Antigen Presentation by Lymph Node Stromal Cells and Their Immunological Implications. Frontiers in Immunology, 2015, 6, 446.	2.2	61
303	MCPH1: a window into brain development and evolution. Frontiers in Cellular Neuroscience, 2015, 9, 92.	1.8	36
304	Cochlear progenitor number is controlled through mesenchymal FGF receptor signaling. ELife, 2015, 4, .	2.8	63
305	Deficiency of Angulin-2/ILDR1, a Tricellular Tight Junction-Associated Membrane Protein, Causes Deafness with Cochlear Hair Cell Degeneration in Mice. PLoS ONE, 2015, 10, e0120674.	1.1	40
306	Lambda Red Mediated Gap Repair Utilizes a Novel Replicative Intermediate in Escherichia coli. PLoS ONE, 2015, 10, e0120681.	1.1	3
307	Differential Requirements of Singleplex and Multiplex Recombineering of Large DNA Constructs. PLoS ONE, 2015, 10, e0125533.	1.1	0
308	CCNYL1, but Not CCNY, Cooperates with CDK16 to Regulate Spermatogenesis in Mouse. PLoS Genetics, 2015, 11, e1005485.	1.5	38
309	Reporter Gene Silencing in Targeted Mouse Mutants Is Associated with Promoter CpG Island Methylation. PLoS ONE, 2015, 10, e0134155.	1.1	3
310	Genes Regulated by Vitamin D in Bone Cells Are Positively Selected in East Asians. PLoS ONE, 2015, 10, e0146072.	1.1	5
311	Development of a Model of Chronic Kidney Disease in the C57BL/6 Mouse with Properties of Progressive Human CKD. BioMed Research International, 2015, 2015, 1-10.	0.9	11
312	Is mouse embryonic stem cell technology obsolete?. Genome Biology, 2015, 16, 109.	3.8	19
313	Application of Mouse Genetics to Human Disease. , 2015, , 63-75.		0

#	Article	IF	Citations
314	Lung Stem Cells in the Epithelium and Vasculature. Pancreatic Islet Biology, 2015, , .	0.1	1
315	Differential organ phenotypes after postnatal Igf1r gene conditional deletion induced by tamoxifen in UBC-CreERT2; Igf1r fl/fl double transgenic mice. Transgenic Research, 2015, 24, 279-294.	1.3	23
316	OVA: integrating molecular and physical phenotype data from multiple biomedical domain ontologies with variant filtering for enhanced variant prioritization. Bioinformatics, 2015, 31, 3822-3829.	1.8	24
317	Extracellular ATP protects against sepsis through macrophage P2X7 purinergic receptors by enhancing intracellular bacterial killing. FASEB Journal, 2015, 29, 3626-3637.	0.2	106
318	Sorting nexin 5 (SNX5) selectively regulates dorsal ruffle-mediated macropinocytosis in primary macrophages. Journal of Cell Science, 2015, 128, 4407-19.	1.2	19
319	The regulatory subunits of PI3KÎ³ control distinct neutrophil responses. Science Signaling, 2015, 8, ra8.	1.6	42
320	Right Ventricular Epicardial Fibrosis in Mice With Sternal Segment Dislocation. Veterinary Pathology, 2015, 52, 967-976.	0.8	9
321	A Genome-Scale Vector Resource Enables High-Throughput Reverse Genetic Screening in a Malaria Parasite. Cell Host and Microbe, 2015, 17, 404-413.	5.1	113
322	MacroH2A1 isoforms are associated with epigenetic markers for activation of lipogenic genes in fatâ€induced steatosis. FASEB Journal, 2015, 29, 1676-1687.	0.2	41
323	A Conserved Regulatory Logic Controls Temporal Identity in Mouse Neural Progenitors. Neuron, 2015, 85, 497-504.	3.8	135
325	TALEN-mediated genome engineering to generate targeted mice. Chromosome Research, 2015, 23, 43-55.	1.0	24
326	Identification of Natural RORÎ³ Ligands that Regulate the Development of Lymphoid Cells. Cell Metabolism, 2015, 21, 286-298.	7.2	193
327	A lacZ reporter gene expression atlas for 313 adult KOMP mutant mouse lines. Genome Research, 2015, 25, 598-607.	2.4	29
328	Targeted Genome Editing Using Site-Specific Nucleases. , 2015, , .		7
329	Pediatric Obstructive Uropathy. , 2015, , 1-32.		2
330	NELF knockout is associated with impaired pubertal development and subfertility. Molecular and Cellular Endocrinology, 2015, 407, 26-36.	1.6	17
331	Genome-wide association analysis reveals genetic loci and candidate genes for meat quality traits in Chinese Laiwu pigs. Mammalian Genome, 2015, 26, 181-190.	1.0	45
332	Utilising the resources of the International Knockout Mouse Consortium: the Australian experience. Mammalian Genome, 2015, 26, 142-153.	1.0	15

#	Article	IF	Citations
333	Quantitative Reduction of the TCR Adapter Protein SLP-76 Unbalances Immunity and Immune Regulation. Journal of Immunology, 2015, 194, 2587-2595.	0.4	28
334	Cyclin O (Ccno) functions during deuterosomeâ€mediated centriole amplification of multiciliated cells. EMBO Journal, 2015, 34, 1078-1089.	3.5	72
335	Loss of PHLPP protects against colitis by inhibiting intestinal epithelial cell apoptosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2013-2023.	1.8	43
336	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nature Genetics, 2015, 47, 969-978.	9.4	137
337	Abrogation of both short and long forms of latent transforming growth factor-Î² binding protein-1 causes defective cardiovascular development and is perinatally lethal. Matrix Biology, 2015, 43, 61-70.	1.5	23
338	The Mouse Genomes Project: a repository of inbred laboratory mouse strain genomes. Mammalian Genome, 2015, 26, 403-412.	1.0	74
339	Passenger Mutations Confound Interpretation of All Genetically Modified Congenic Mice. Immunity, 2015, 43, 200-209.	6.6	156
340	Genes and Hearing Loss: Relationship to Oxidative Stress and Free Radical Formation. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 353-376.	0.4	1
341	Deubiquitinase MYSM1 Is Essential for Normal Fetal Liver Hematopoiesis and for the Maintenance of Hematopoietic Stem Cells in Adult Bone Marrow. Stem Cells and Development, 2015, 24, 1865-1877.	1.1	20
342	Considerations for the use of transcriptomics in identifying the â€˜genes that matterâ€™ for environmental adaptation. Journal of Experimental Biology, 2015, 218, 1925-1935.	0.8	104
343	Biology and Diseases of Mice. , 2015, , 43-149.		47
344	Principles for the organization of gene-sets. Computational Biology and Chemistry, 2015, 59, 139-149.	1.1	10
345	The Convergence of Systems and Reductionist Approaches in Complex Trait Analysis. Cell, 2015, 162, 23-32.	13.5	75
346	Minor Type IV Collagen Î±5 Chain Promotes Cancer Progression through Discoidin Domain Receptor-1. PLoS Genetics, 2015, 11, e1005249.	1.5	44
347	ILDR1 null mice, a model of human deafness DFNB42, show structural aberrations of tricellular tight junctions and degeneration of auditory hair cells. Human Molecular Genetics, 2015, 24, 609-624.	1.4	58
348	Conditional-ready mouse embryonic stem cell derived macrophages enable the study of essential genes in macrophage function. Scientific Reports, 2015, 5, 8908.	1.6	16
349	New Transgenic Technologies. , 2015, , 45-57.		0
350	Towards a better understanding of mouse and human diseasesâ€"International Mouse Phenotyping Consortium. Science China Life Sciences, 2015, 58, 392-395.	2.3	1

#	Article	IF	Citations
351	Combining RNA and Protein Profiling Data with Network Interactions Identifies Genes Associated with Spermatogenesis in Mouse and Human1. Biology of Reproduction, 2015, 92, 71.	1.2	24
352	One-step generation of multiple transgenic mouse lines using an improved Pronuclear Injection-based Targeted Transgenesis (i-PITT). BMC Genomics, 2015, 16, 274.	1.2	19
354	Analyses of allele-specific gene expression in highly divergent mouse crosses identifies pervasive allelic imbalance. Nature Genetics, 2015, 47, 353-360.	9.4	204
355	Transgenesis and Genome Manipulations. , 2015, , 267-317.		0
356	Multiplex Conditional Mutagenesis Using Transgenic Expression of Cas9 and sgRNAs. Genetics, 2015, 200, 431-441.	1.2	128
357	The pros and cons of vertebrate animal models for functional and therapeutic research on inherited retinal dystrophies. Progress in Retinal and Eye Research, 2015, 48, 137-159.	7.3	81
358	FBXO11 promotes ubiquitination of the Snail family of transcription factors in cancer progression and epidermal development. Cancer Letters, 2015, 362, 70-82.	3.2	68
359	Discovery of four recessive developmental disorders using probabilistic genotype and phenotype matching among 4,125 families. Nature Genetics, 2015, 47, 1363-1369.	9.4	133
360	Design of Glycoconjugate Vaccines against Invasive African Salmonella enterica Serovar Typhimurium. Infection and Immunity, 2015, 83, 996-1007.	1.0	46
361	A gene expression resource generated by genome-wide lacZ profiling in the mouse. DMM Disease Models and Mechanisms, 2015, 8, 1467-78.	1.2	12
362	Talking welfare: the importance of a common language. Mammalian Genome, 2015, 26, 482-485.	1.0	2
363	Functional Coupling of ATP-binding Cassette Transporter Abcb6 to Cytochrome P450 Expression and Activity in Liver. Journal of Biological Chemistry, 2015, 290, 7871-7886.	1.6	8
364	Early gestation as the critical time-window for changes in the prenatal environment to affect the adult human blood methylome. International Journal of Epidemiology, 2015, 44, 1211-1223.	0.9	139
365	Loss of arylformamidase with reduced thymidine kinase expression leads to impaired glucose tolerance. Biology Open, 2015, 4, 1367-1375.	0.6	13
366	Loss of BAP1 function leads to EZH2-dependent transformation. Nature Medicine, 2015, 21, 1344-1349.	15.2	297
367	Sperm Postacrosomal WW Domain-Binding Protein Is Not Required for Mouse Egg Activation1. Biology of Reproduction, 2015, 93, 94.	1.2	51
368	Genome-wide association studies and contribution to cardiovascular physiology. Physiological Genomics, 2015, 47, 365-375.	1.0	11
369	Optineurin deficiency contributes to impaired cytokine secretion and neutrophil recruitment in bacteria driven colitis. DMM Disease Models and Mechanisms, 2015, 8, 817-29.	1.2	48

#	Article	IF	Citations
370	Beyond knockouts: the International Knockout Mouse Consortium delivers modular and evolving tools for investigating mammalian genes. Mammalian Genome, 2015, 26, 456-466.	1.0	27
371	Fatostatin, an SREBP inhibitor, prevented RANKL-induced bone loss by suppression of osteoclast differentiation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2432-2441.	1.8	17
372	Hepatic Mitochondrial Pyruvate Carrier 1 Is Required for Efficient Regulation of Gluconeogenesis and Whole-Body Glucose Homeostasis. Cell Metabolism, 2015, 22, 669-681.	7.2	193
373	Blastocyst genotyping for quality control of mouse mutant archives: an ethical and economical approach. Transgenic Research, 2015, 24, 921-927.	1.3	19
375	A Mouse Geneticistâ€™s Practical Guide to CRISPR Applications. Genetics, 2015, 199, 1-15.	1.2	290
376	Single-cell and multivariate approaches in genetic perturbation screens. Nature Reviews Genetics, 2015, 16, 18-32.	7.7	80
377	Biological Basis of Alcohol-Induced Cancer. Advances in Experimental Medicine and Biology, 2015, , .	0.8	6
378	MicroRNA-146a reduces IL-1 dependent inflammatory responses in the intervertebral disc. Gene, 2015, 555, 80-87.	1.0	91
379	Targeted Disruption of the SUCNR1 Metabolic Receptor Leads to Dichotomous Effects on Obesity. Diabetes, 2015, 64, 1154-1167.	0.3	77
380	Ribose Accelerates Gut Motility and Suppresses Mouse Body Weight Gaining. International Journal of Biological Sciences, 2016, 12, 701-709.	2.6	5
381	Diacylglycerol Kinase-Îµ: Properties and Biological Roles. Frontiers in Cell and Developmental Biology, 2016, 4, 112.	1.8	36
382	Genetic Pharmacotherapy as an Early CNS Drug Development Strategy: Testing Glutaminase Inhibition for Schizophrenia Treatment in Adult Mice. Frontiers in Systems Neuroscience, 2015, 9, 165.	1.2	23
383	Association of a Chromosomal Rearrangement Event with Mouse Posterior Polymorphous Corneal Dystrophy and Alterations in Csrp2bp, Dzank1, and Ovol2 Gene Expression. PLoS ONE, 2016, 11, e0157577.	1.1	6
384	Expression of mRNA Encoding Mcu and Other Mitochondrial Calcium Regulatory Genes Depends on Cell Type, Neuronal Subtype, and Ca2+ Signaling. PLoS ONE, 2016, 11, e0148164.	1.1	26
385	GenToS: Use of Orthologous Gene Information to Prioritize Signals from Human GWAS. PLoS ONE, 2016, 11, e0162466.	1.1	2
386	Failure to Genotype: A Cautionary Note on an Elusive loxP Sequence. PLoS ONE, 2016, 11, e0165012.	1.1	1
387	Multiple Cranial Organ Defects after Conditionally Knocking Out Fgf10 in the Neural Crest. Frontiers in Physiology, 2016, 7, 488.	1.3	45
388	Establishing Three Dimensional High Throughput Imaging Pipeline for Deep Phenotyping Mouse Embryonic Development. Microscopy and Microanalysis, 2016, 22, 1024-1025.	0.2	0

#	Article	IF	Citations
389	A Role for the Chromatinâ€Remodeling FactorBAZ1Ain Neurodevelopment. Human Mutation, 2016, 37, 964-975.	1.1	29
390	Ulk4 Regulates Neural Stem Cell Pool. Stem Cells, 2016, 34, 2318-2331.	1.4	26
391	Initial characterization of a Syap1 knock-out mouse and distribution of Syap1 in mouse brain and cultured motoneurons. Histochemistry and Cell Biology, 2016, 146, 489-512.	0.8	3
392	CD6 modulates thymocyte selection and peripheral T cell homeostasis. Journal of Experimental Medicine, 2016, 213, 1387-1397.	4.2	68
393	Human Inducible Pluripotent Stem Cells and Autism Spectrum Disorder: Emerging Technologies. Autism Research, 2016, 9, 513-535.	2.1	26
394	Beware of your Creâ€Ation: lacZ expression impairs neuronal integrity and hippocampusâ€dependent memory. Hippocampus, 2016, 26, 1250-1264.	0.9	6
395	PiggyBac transposon-based polyadenylation-signal trap for genome-wide mutagenesis in mice. Scientific Reports, 2016, 6, 27788.	1.6	5
396	RAC-tagging: Recombineering And Cas9-assisted targeting for protein tagging and conditional analyses. Scientific Reports, 2016, 6, 25529.	1.6	22
397	Neutrophil-specific deletion of the CARD9 gene expression regulator suppresses autoantibody-induced inflammation in vivo. Nature Communications, 2016, 7, 11004.	5.8	62
398	Optimisation of Intestinal Fibrosis and Survival in the MouseS. TyphimuriumModel for Anti-fibrotic Drug Discovery and Preclinical Applications. Journal of Crohn's and Colitis, 2016, 11, jjw210.	0.6	6
399	CRISPR-Cas9 enables conditional mutagenesis of challenging loci. Scientific Reports, 2016, 6, 32326.	1.6	10
400	Wbp2 is required for normal glutamatergic synapses in the cochlea and is crucial for hearing. EMBO Molecular Medicine, 2016, 8, 191-207.	3.3	41
401	Genetic Interactions Between the Meiosis-Specific Cohesin Components, STAG3, REC8, and RAD21L. G3: Genes, Genomes, Genetics, 2016, 6, 1713-1724.	0.8	48
402	Sustaining large-scale infrastructure to promote pre-competitive biomedical research: lessons from mouse genomics. New Biotechnology, 2016, 33, 280-294.	2.4	10
403	Programming of Intestinal Epithelial Differentiation by IL-33 Derived from Pericryptal Fibroblasts in Response to Systemic Infection. Cell Reports, 2016, 15, 1743-1756.	2.9	100
404	Two Ancient Gene Families Are Critical for Maintenance of the Mammalian Skin Barrier in Postnatal Life. Journal of Investigative Dermatology, 2016, 136, 1438-1448.	0.3	26
405	CRISPR/Cas9-Mediated Insertion of loxP Sites in the Mouse Dock7 Gene Provides an Effective Alternative to Use of Targeted Embryonic Stem Cells. G3: Genes, Genomes, Genetics, 2016, 6, 2051-2061.	0.8	29
406	Striking Immune Phenotypes in Gene-Targeted Mice Are Driven by a Copy-Number Variant Originating from a Commercially Available C57BL/6 Strain. Cell Reports, 2016, 15, 1901-1909.	2.9	65

#	Article	IF	Citations
407	A Synaptotagmin Isoform Switch during the Development of an Identified CNS Synapse. Neuron, 2016, 90, 984-999.	3.8	39
408	MEMO1 drives cranial endochondral ossification and palatogenesis. Developmental Biology, 2016, 415, 278-295.	0.9	16
409	A CCL8 gradient drives breast cancer cell dissemination. Oncogene, 2016, 35, 6309-6318.	2.6	79
410	Loss of Mrap2 is associated with Sim1 deficiency and increased circulating cholesterol. Journal of Endocrinology, 2016, 230, 13-26.	1.2	60
411	The Chromatin Regulator BRPF3 Preferentially Activates the HBO1 Acetyltransferase but Is Dispensable for Mouse Development and Survival. Journal of Biological Chemistry, 2016, 291, 2647-2663.	1.6	27
412	Genome Editing with CRISPR-Cas9: Can It Get Any Better?. Journal of Genetics and Genomics, 2016, 43, 239-250.	1.7	59
413	LSm14A Plays a Critical Role in Antiviral Immune Responses by Regulating MITA Level in a Cell-Specific Manner. Journal of Immunology, 2016, 196, 5101-5111.	0.4	34
414	TransgeneOmics â€“ A transgenic platform for protein localization based function exploration. Methods, 2016, 96, 69-74.	1.9	13
415	Rapid phenotyping of knockout mice to identify genetic determinants of bone strength. Journal of Endocrinology, 2016, 231, R31-R46.	1.2	30
416	Loss of Dendritic Complexity Precedes Neurodegeneration in a Mouse Model with Disrupted Mitochondrial Distribution in Mature Dendrites. Cell Reports, 2016, 17, 317-327.	2.9	144
417	Deciphering Combinatorial Genetics. Annual Review of Genetics, 2016, 50, 515-538.	3.2	16
418	C13orf31 (FAMIN) is a central regulator of immunometabolic function. Nature Immunology, 2016, 17, 1046-1056.	7.0	123
419	The Zinc Finger Transcription Factor Sp9 Is Required for the Development of Striatopallidal Projection Neurons. Cell Reports, 2016, 16, 1431-1444.	2.9	58
420	Contributions of Mammalian Chimeras to Pluripotent Stem Cell Research. Cell Stem Cell, 2016, 19, 163-175.	5.2	61
421	HKDC1 Is a Novel Hexokinase Involved in Whole-Body Glucose Use. Endocrinology, 2016, 157, 3452-3461.	1.4	58
422	Strategies for immunohistochemical protein localization using antibodies: What did we learn from neurotransmitter transporters in glial cells and neurons. Glia, 2016, 64, 2045-2064.	2.5	18
423	Cytoplasmic injection of murine zygotes with Sleeping Beauty transposon plasmids and minicircles results in the efficient generation of germline transgenic mice. Biotechnology Journal, 2016, 11, 178-184.	1.8	16
424	Generation of a conditional lima1a allele in zebrafish using the <scp>FLE</scp>x switch technology. Genesis, 2016, 54, 19-28.	0.8	4

#	Article	IF	Citations
425	Alkaline ceramidase 1 is essential for mammalian skin homeostasis and regulating whole-body energy expenditure. Journal of Pathology, 2016, 239, 374-383.	2.1	32
426	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	13.7	1,001
427	Histomorphological Phenotyping of the Adult Mouse Brain. Current Protocols in Mouse Biology, 2016, 6, 307-332.	1.2	31
428	Loss of strumpellin in the melanocytic lineage impairs the <scp>WASH</scp> Complex but does not affect coat colour. Pigment Cell and Melanoma Research, 2016, 29, 559-571.	1.5	17
429	Ulk4 Is Essential for Ciliogenesis and CSF Flow. Journal of Neuroscience, 2016, 36, 7589-7600.	1.7	36
430	Diving into marine genomics with CRISPR/Cas9 systems. Marine Genomics, 2016, 30, 55-65.	0.4	29
431	A Simple Screening Approach To Prioritize Genes for Functional Analysis Identifies a Role for Interferon Regulatory Factor 7 in the Control of Respiratory Syncytial Virus Disease. MSystems, 2016, 1, .	1.7	25
432	Soft X-Ray Tomography Reveals Gradual Chromatin Compaction and Reorganization during Neurogenesis InAVivo. Cell Reports, 2016, 17, 2125-2136.	2.9	85
433	Impaired neurodevelopment by the low complexity domain of CPEB4 reveals a convergent pathway with neurodegeneration. Scientific Reports, 2016, 6, 29395.	1.6	17
434	Insertion of a knockout-first cassette in Ampd1 gene leads to neonatal death by disruption of neighboring genes expression. Scientific Reports, 2016, 6, 35970.	1.6	19
435	CRISPR/Cas9 mediated genome editing in ES cells and its application for chimeric analysis in mice. Scientific Reports, 2016, 6, 31666.	1.6	85
436	Mouse-based genetic modeling and analysis of Down syndrome. British Medical Bulletin, 2016, 120, 111-122.	2.7	23
437	ATP-Citrate Lyase Controls a Glucose-to-Acetate Metabolic Switch. Cell Reports, 2016, 17, 1037-1052.	2.9	282
438	Comparative Analysis of piggyBac, CRISPR/Cas9 and TALEN Mediated BAC Transgenesis in the Zygote for the Generation of Humanized SIRPA Rats. Scientific Reports, 2016, 6, 31455.	1.6	29
439	S1PR2 variants associated with auditory function in humans and endocochlear potential decline in mouse. Scientific Reports, 2016, 6, 28964.	1.6	30
440	Genome wide conditional mouse knockout resources. Drug Discovery Today: Disease Models, 2016, 20, 3-12.	1.2	3
441	Gene cassette knock-in in mammalian cells and zygotes by enhanced MMEJ. BMC Genomics, 2016, 17, 979.	1.2	66
442	Deep genome sequencing and variation analysis of 13 inbred mouse strains defines candidate phenotypic alleles, private variation and homozygous truncating mutations. Genome Biology, 2016, 17, 167.	3.8	70

#	Article	IF	Citations
443	Aneuploidy screening of embryonic stem cell clones by metaphase karyotyping and droplet digital polymerase chain reaction. BMC Cell Biology, 2016, 17, 30.	3.0	28
444	Genome engineering: Drosophila melanogaster and beyond. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 233-267.	5.9	35
445	Comparison of BALB/c and B6-albino mouse strain blastocysts as hosts for the injection of C57BL6/N-derived C2 embryonic stem cells. Transgenic Research, 2016, 25, 527-531.	1.3	4
446	Development of Inducible Molecular Switches Based on All-in-One Lentiviral Vectors Equipped with Drug Controlled FLP Recombinase. Methods in Molecular Biology, 2016, 1448, 23-39.	0.4	0
447	Cilia gene mutations cause atrioventricular septal defects by multiple mechanisms. Human Molecular Genetics, 2016, 25, ddw155.	1.4	37
448	A non-canonical role for desmoglein-2 in endothelial cells: implications for neoangiogenesis. Angiogenesis, 2016, 19, 463-486.	3.7	31
449	Knockout of the PKN Family of Rho Effector Kinases Reveals a Non-redundant Role for PKN2 in Developmental Mesoderm Expansion. Cell Reports, 2016, 14, 440-448.	2.9	40
450	Hepatic Primary and Secondary Cholesterol Deposition and Damage in Niemann-Pick Disease. American Journal of Pathology, 2016, 186, 517-523.	1.9	9
451	T-Cell-Specific Deletion of Map3k1 Reveals the Critical Role for Mekk1 and Jnks in Cdkn1b -Dependent Proliferative Expansion. Cell Reports, 2016, 14, 449-457.	2.9	14
452	Alternative Splice Forms Influence Functions of Whirlin in Mechanosensory Hair Cell Stereocilia. Cell Reports, 2016, 15, 935-943.	2.9	33
453	Connexin23 deletion does not affect lens transparency. Experimental Eye Research, 2016, 146, 283-288.	1.2	4
454	Repression of p53-target gene Bbc3/PUMA by MYSM1 is essential for the survival of hematopoietic multipotent progenitors and contributes to stem cell maintenance. Cell Death and Differentiation, 2016, 23, 759-775.	5.0	48
455	Towards a compendium of essential genes â€“ From model organisms to synthetic lethality in cancer cells. Critical Reviews in Biochemistry and Molecular Biology, 2016, 51, 74-85.	2.3	42
456	Genetic Associations with Obstructive Sleep Apnea Traits in Hispanic/Latino Americans. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 886-897.	2.5	107
457	New insights into the role of the Brdt protein in the regulation of development and spermatogenesis in the mouse. Gene Expression Patterns, 2016, 20, 130-137.	0.3	7
458	Localized LoxL3-Dependent Fibronectin Oxidation Regulates Myofiber Stretch and Integrin-Mediated Adhesion. Developmental Cell, 2016, 36, 550-561.	3.1	47
459	LSD1 co-repressor Rcor2 orchestrates neurogenesis in the developing mouse brain. Nature Communications, 2016, 7, 10481.	5.8	51
460	The old and new face of craniofacial research: How animal models inform human craniofacial genetic and clinical data. Developmental Biology, 2016, 415, 171-187.	0.9	61

#	Article	IF	Citations
461	Cellular functions of MLL/SET-family histone H3 lysine 4 methyltransferase components. Frontiers in Biology, 2016, 11, 10-18.	0.7	1
462	Defective membrane fusion and repair inAnoctamin5-deficient muscular dystrophy. Human Molecular Genetics, 2016, 25, 1900-1911.	1.4	88
463	BAF chromatin remodelling complex is an epigenetic regulator of lineage specification in the early mouse embryo. Development (Cambridge), 2016, 143, 1271-83.	1.2	32
464	Loss of the proteostasis factor AIRAPL causes myeloid transformation by deregulating IGF-1 signaling. Nature Medicine, 2016, 22, 91-96.	15.2	37
465	The Evolutionarily Conserved Tre2/Bub2/Cdc16 (TBC), Lysin Motif (LysM), Domain Catalytic (TLDc) Domain Is Neuroprotective against Oxidative Stress. Journal of Biological Chemistry, 2016, 291, 2751-2763.	1.6	48
466	Characterization of Two Distinct Nucleosome Remodeling and Deacetylase (NuRD) Complex Assemblies in Embryonic Stem Cells. Molecular and Cellular Proteomics, 2016, 15, 878-891.	2.5	42
467	Attention to Background Strain Is Essential for Metabolic Research: C57BL/6 and the International Knockout Mouse Consortium. Diabetes, 2016, 65, 25-33.	0.3	181
468	Lysosomal dysfunction and impaired autophagy in a novel mouse model deficient for the lysosomal membrane protein Cln7. Human Molecular Genetics, 2016, 25, 777-791.	1.4	71
469	Synaptic adhesion molecule IgSF11 regulates synaptic transmission and plasticity. Nature Neuroscience, 2016, 19, 84-93.	7.1	48
470	Overview and assessment of the histochemical methods and reagents for the detection of Î²-galactosidase activity in transgenic animals. Anatomical Science International, 2016, 91, 56-67.	0.5	29
471	Batf-dependent Th17 cells critically regulate IL-23 driven colitis-associated colon cancer. Gut, 2016, 65, 1139-1150.	6.1	59
472	Jmjd2c/Kdm4c facilitates the assembly of essential enhancer-protein complexes at the onset of embryonic stem cell differentiation. Development (Cambridge), 2017, 144, 567-579.	1.2	24
473	The PRRT2 knockout mouse recapitulates the neurological diseases associated with PRRT2 mutations. Neurobiology of Disease, 2017, 99, 66-83.	2.1	72
474	Integrating GWAS and Co-expression Network Data Identifies Bone Mineral Density Genes SPTBN1 and MARK3 and an Osteoblast Functional Module. Cell Systems, 2017, 4, 46-59.e4.	2.9	124
475	Neuregulin 3 Mediates Cortical Plate Invasion and Laminar Allocation of GABAergic Interneurons. Cell Reports, 2017, 18, 1157-1170.	2.9	55
476	PKN2 is essential for mouse embryonic development and proliferation of mouse fibroblasts. Genes To Cells, 2017, 22, 220-236.	0.5	16
477	Initial characterization of behavior and ketamine response in a mouse knockout of the post-synaptic effector gene Anks1b. Neuroscience Letters, 2017, 641, 26-32.	1.0	11
478	PLD3 gene and processing of APP. Nature, 2017, 541, E1-E2.	13.7	42

#	Article	IF	Citations
479	Genetic Dissection of a QTL Affecting Bone Geometry. G3: Genes, Genomes, Genetics, 2017, 7, 865-870.	0.8	4
480	Secretagogin-dependent matrix metalloprotease-2 release from neurons regulates neuroblast migration. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2006-E2015.	3.3	27
481	Investigation of hippocampal synaptic transmission and plasticity in mice deficient in the actin-binding protein Drebrin. Scientific Reports, 2017, 7, 42652.	1.6	13
482	Secreted Metalloproteinase ADAMTS-3 Inactivates Reelin. Journal of Neuroscience, 2017, 37, 3181-3191.	1.7	65
483	Synaptic vesicle glycoprotein 2C (SV2C) modulates dopamine release and is disrupted in Parkinson disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2253-E2262.	3.3	101
484	PNPLA1 has a crucial role in skin barrier function by directing acylceramide biosynthesis. Nature Communications, 2017, 8, 14609.	5.8	107
485	Dnmt3a restrains mast cell inflammatory responses. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1490-E1499.	3.3	108
486	Ca ²⁺ -binding protein 2 inhibits Ca ²⁺ -channel inactivation in mouse inner hair cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1717-E1726.	3.3	42
487	Creâ€loxPâ€Mediated Recombination: General Principles and Experimental Considerations. Current Protocols in Mouse Biology, 2017, 7, 1-12.	1.2	120
488	Transcriptomic analysis and plasma metabolomics in Aldh16a1 -null mice reveals a potential role of ALDH16A1 in renal function. Chemico-Biological Interactions, 2017, 276, 15-22.	1.7	17
489	Satb2 Ablation Impairs Hippocampus-Based Long-Term Spatial Memory and Short-Term Working Memory and Immediate Early Genes (IEGs)-Mediated Hippocampal Synaptic Plasticity. Molecular Neurobiology, 2017, , 1.	1.9	37
490	The mitochondrial Na+/Ca2+ exchanger is essential for Ca2+ homeostasis and viability. Nature, 2017, 545, 93-97.	13.7	294
491	CRISPR/Cas9- loxP -Mediated Gene Editing as a Novel Site-Specific Genetic Manipulation Tool. Molecular Therapy - Nucleic Acids, 2017, 7, 378-386.	2.3	31
492	Optineurin in amyotrophic lateral sclerosis: Multifunctional adaptor protein at the crossroads of different neuroprotective mechanisms. Progress in Neurobiology, 2017, 154, 1-20.	2.8	79
493	Efficient gene targeting in mouse zygotes mediated by CRISPR/Cas9-protein. Transgenic Research, 2017, 26, 263-277.	1.3	22
494	Easi-CRISPR: a robust method for one-step generation of mice carrying conditional and insertion alleles using long ssDNA donors and CRISPR ribonucleoproteins. Genome Biology, 2017, 18, 92.	3.8	375
495	BDNF rescues prefrontal dysfunction elicited by pyramidal neuron-specific DTNBP1 deletion in vivo. Journal of Molecular Cell Biology, 2017, 9, 117-131.	1.5	13
496	Enhanced Functional Genomic Screening Identifies Novel Mediators of Dual Leucine Zipper Kinase-Dependent Injury Signaling in Neurons. Neuron, 2017, 94, 1142-1154.e6.	3.8	118

#	Article	IF	Citations
497	A <scp>TRPV</scp> 1â€toâ€secretagogin regulatory axis controls pancreatic Î²â€cell survival by modulating protein turnover. EMBO Journal, 2017, 36, 2107-2125.	3.5	52
498	The contribution of homology arms to nuclease-assisted genome engineering. Nucleic Acids Research, 2017, 45, 8105-8115.	6.5	23
499	Distribution of ASIC4 transcripts in the adult wild-type mouse brain. Neuroscience Letters, 2017, 651, 57-64.	1.0	11
500	Mouse Genetics - How Does It Inform Male Fertility Research?. , 0, , 280-296.		0
501	JunB is essential for IL-23-dependent pathogenicity of Th17 cells. Nature Communications, 2017, 8, 15628.	5.8	70
502	Generation of a multipurposePrdm16allele by targeted trapping. DMM Disease Models and Mechanisms, 2017, 10, 909-922.	1.2	9
503	The Mouse Lemur, a Genetic Model Organism for Primate Biology, Behavior, and Health. Genetics, 2017, 206, 651-664.	1.2	58
504	Synaptotagmin2 (Syt2) Drives Fast Release Redundantly with Syt1 at the Output Synapses of Parvalbumin-Expressing Inhibitory Neurons. Journal of Neuroscience, 2017, 37, 4604-4617.	1.7	33
505	Important roles of Vilse in dendritic architecture and synaptic plasticity. Scientific Reports, 2017, 7, 45646.	1.6	13
506	Defects in chondrocyte maturation and secondary ossification in mouse knee joint epiphyses due to Snorc deficiency. Osteoarthritis and Cartilage, 2017, 25, 1132-1142.	0.6	6
507	Cos2/Kif7 and Osm-3/Kif17 regulate onset of outer segment development in zebrafish photoreceptors through distinct mechanisms. Developmental Biology, 2017, 425, 176-190.	0.9	24
508	Eros is a novel transmembrane protein that controls the phagocyte respiratory burst and is essential for innate immunity. Journal of Experimental Medicine, 2017, 214, 1111-1128.	4.2	50
509	CRISPRtools: a flexible computational platform for performing CRISPR/Cas9 experiments in the mouse. Mammalian Genome, 2017, 28, 283-290.	1.0	8
510	Spermatogenesis associated 22 is required for <scp>DNA</scp> repair and synapsis of homologous chromosomes in mouse germ cells. Andrology, 2017, 5, 299-312.	1.9	25
511	A single-copy Sleeping Beauty transposon mutagenesis screen identifies new PTEN-cooperating tumor suppressor genes. Nature Genetics, 2017, 49, 730-741.	9.4	53
512	Effects of longâ€term ethanol consumption and Aldh1b1 depletion on intestinal tumourigenesis in mice. Journal of Pathology, 2017, 241, 649-660.	2.1	8
513	Cleavage of DFNA5 by caspase-3 during apoptosis mediates progression to secondary necrotic/pyroptotic cell death. Nature Communications, 2017, 8, 14128.	5.8	953
514	Combined immunodeficiency with severe inflammation and allergy caused by ARPC1B deficiency. Journal of Allergy and Clinical Immunology, 2017, 140, 273-277.e10.	1.5	112

#	Article	IF	Citations
515	Knockout Mice for Dyslexia Susceptibility Gene Homologs KIAA0319 and KIAA0319L have Unaffected Neuronal Migration but Display Abnormal Auditory Processing. Cerebral Cortex, 2017, 27, 5831-5845.	1.6	18
516	A T cell-specific knockout reveals an important role for protease-activated receptor 2 in lymphocyte development. International Journal of Biochemistry and Cell Biology, 2017, 92, 95-103.	1.2	3
517	Germline deletion of KrÃ¼ppel-like factor 14 does not increase risk of diet induced metabolic syndrome in male C57BL/6 mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 3277-3285.	1.8	15
518	WD40-repeat 47, a microtubule-associated protein, is essential for brain development and autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9308-E9317.	3.3	77
519	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	5.8	116
520	Hearing Without Neuroglobin. Neuroscience, 2017, 366, 138-148.	1.1	9
521	Neuroplastin and Basigin Are Essential Auxiliary Subunits of Plasma Membrane Ca2+-ATPases and Key Regulators of Ca2+ Clearance. Neuron, 2017, 96, 827-838.e9.	3.8	73
522	Dual Recombinase-Mediated Cassette Exchange by Tyrosine Site-Specific Recombinases. Methods in Molecular Biology, 2017, 1642, 53-67.	0.4	4
523	Identification of trans Protein QTL for Secreted Airway Mucins in Mice and a Causal Role for Bpifb1. Genetics, 2017, 207, 801-812.	1.2	24
524	Myst2/Kat7 histone acetyltransferase interaction proteomics reveals tumour-suppressor Niam as a novel binding partner in embryonic stem cells. Scientific Reports, 2017, 7, 8157.	1.6	12
525	Genome wide in vivo mouse screen data from studies to assess host regulation of metastatic colonisation. Scientific Data, 2017, 4, 170129.	2.4	8
526	Cic Loss Promotes Gliomagenesis via Aberrant Neural Stem Cell Proliferation and Differentiation. Cancer Research, 2017, 77, 6097-6108.	0.4	46
527	IgSF21 promotes differentiation of inhibitory synapses via binding to neurexin2Î±. Nature Communications, 2017, 8, 408.	5.8	50
528	PRDM15 safeguards naive pluripotency by transcriptionally regulating WNT and MAPKâ€“ERK signaling. Nature Genetics, 2017, 49, 1354-1363.	9.4	39
529	Daple Coordinates Planar Polarized Microtubule Dynamics in Ependymal Cells and Contributes to Hydrocephalus. Cell Reports, 2017, 20, 960-972.	2.9	64
530	Retroviral insertional mutagenesis implicates E3 ubiquitin ligase RNF168 in the control of cell proliferation and survival. Bioscience Reports, 2017, 37, .	1.1	5
531	Loss of Protein Arginine Methyltransferase 8 Alters Synapse Composition and Function, Resulting in Behavioral Defects. Journal of Neuroscience, 2017, 37, 8655-8666.	1.7	36
532	Histone deacetylase 1 and 2 are essential for murine neural crest proliferation, pharyngeal arch development, and craniofacial morphogenesis. Developmental Dynamics, 2017, 246, 1015-1026.	0.8	13

#	Article	IF	Citations
533	Obesity-associated gene TMEM18 has a role in the central control of appetite and body weight regulation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9421-9426.	3.3	57
534	From Peas to Disease: Modifier Genes, Network Resilience, and the Genetics of Health. American Journal of Human Genetics, 2017, 101, 177-191.	2.6	108
535	Experimental Modeling Supports a Role for MyBP-HL as a Novel Myofilament Component in Arrhythmia and Dilated Cardiomyopathy. Circulation, 2017, 136, 1477-1491.	1.6	34
536	Complete overview of protein-inactivating sequence variations in 36 sequenced mouse inbred strains. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9158-9163.	3.3	37
537	Loss of PBRM1 rescues VHL dependent replication stress to promote renal carcinogenesis. Nature Communications, 2017, 8, 2026.	5.8	73
538	STRIP1, a core component of STRIPAK complexes, is essential for normal mesoderm migration in the mouse embryo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10928-E10936.	3.3	39
539	Characterization of mice carrying a conditional TEAD1 allele. Genesis, 2017, 55, e23085.	0.8	7
540	A small cassette enables conditional gene inactivation by CRISPR/Cas9. Scientific Reports, 2017, 7, 16770.	1.6	17
541	Uhrf1 is indispensable for normal limb growth by regulating chondrocyte differentiation through specific gene expression. Development (Cambridge), 2018, 145, .	1.2	22
542	Conditional Deletion ofRic-8bin Olfactory Sensory Neurons Leads to Olfactory Impairment. Journal of Neuroscience, 2017, 37, 12202-12213.	1.7	10
543	Arid1b haploinsufficiency disrupts cortical interneuron development and mouse behavior. Nature Neuroscience, 2017, 20, 1694-1707.	7.1	139
544	Bombesin-like receptor 3 (Brs3) expression in glutamatergic, but not GABAergic, neurons is required for regulation of energy metabolism. Molecular Metabolism, 2017, 6, 1540-1550.	3.0	15
545	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	5.8	200
546	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. Nature Genetics, 2017, 49, 1231-1238.	9.4	216
547	The role of sex and body weight on the metabolic effects of high-fat diet in C57BL/6N mice. Nutrition and Diabetes, 2017, 7, e261-e261.	1.5	77
548	Integrative Genetic and Epigenetic Analysis Uncovers Regulatory Mechanisms of Autoimmune Disease. American Journal of Human Genetics, 2017, 101, 75-86.	2.6	29
549	A novel humanized mouse lacking murine P450 oxidoreductase for studying human drug metabolism. Nature Communications, 2017, 8, 39.	5.8	33
550	Next-generation mammalian genetics toward organism-level systems biology. Npj Systems Biology and Applications, 2017, 3, 15.	1.4	16

#	Article	IF	Citations
551	Genome annotation for clinical genomic diagnostics: strengths and weaknesses. Genome Medicine, 2017, 9, 49.	3.6	51
552	TTC19 Plays a Husbandry Role on UQCRFS1 Turnover in the Biogenesis of Mitochondrial Respiratory Complex III. Molecular Cell, 2017, 67, 96-105.e4.	4.5	64
553	Disruption of Ninjurin1 Leads to Repetitive and Anxiety-Like Behaviors in Mice. Molecular Neurobiology, 2017, 54, 7353-7368.	1.9	12
554	Normal radial migration and lamination are maintained in dyslexia-susceptibility candidate gene homolog Kiaa0319 knockout mice. Brain Structure and Function, 2017, 222, 1367-1384.	1.2	16
555	Hemopoietic-specific Sf3b1-K700E knock-in mice display the splicing defect seen in human MDS but develop anemia without ring sideroblasts. Leukemia, 2017, 31, 720-727.	3.3	105
556	Application of viral vectors to the study of neural connectivities and neural circuits in the marmoset brain. Developmental Neurobiology, 2017, 77, 354-372.	1.5	14
557	Cardiomyocyte-specific deletion of the G protein-coupled estrogen receptor (GPER) leads to left ventricular dysfunction and adverse remodeling: A sex-specific gene profiling analysis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1870-1882.	1.8	58
558	<scp>SVEP</scp>1 plays a crucial role in epidermal differentiation. Experimental Dermatology, 2017, 26, 423-430.	1.4	17
559	The Schizophrenia-Associated BRD1 Gene Regulates Behavior, Neurotransmission, and Expression of Schizophrenia Risk Enriched Gene Sets in Mice. Biological Psychiatry, 2017, 82, 62-76.	0.7	19
560	The Dyslexia-susceptibility Protein KIAA0319 Inhibits Axon Growth Through Smad2 Signaling. Cerebral Cortex, 2017, 27, 1732-1747.	1.6	29
561	Lyplal1 is dispensable for normal fat deposition in mice. DMM Disease Models and Mechanisms, 2017, 10, 1481-1488.	1.2	6
562	SOX30 is required for male fertility in mice. Scientific Reports, 2017, 7, 17619.	1.6	50
563	An efficient method for generation of bi-allelic null mutant mouse embryonic stem cells and its application for investigating epigenetic modifiers. Nucleic Acids Research, 2017, 45, e174-e174.	6.5	7
564	Governing Medical Knowledge Commons. , 2017, , .		28
565	Governance of Biomedical Research Commons to Advance Clinical Translation: Lessons from the Mouse Model Community. , 2017, , 222-258.		1
566	Comprehensive functional genomics using Caenorhabditis elegans as a model organism. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2017, 93, 561-577.	1.6	9
567	Forward and Reverse Genetics to Model Human Diseases in the Mouse. , 2017, , 727-752.		1
568	Alcohol and Cancer: Mechanisms and Therapies. Biomolecules, 2017, 7, 61.	1.8	87

#	Article	IF	Citations
569	Deletion of Dock10 in B Cells Results in Normal Development but a Mild Deficiency upon In Vivo and In Vitro Stimulations. Frontiers in Immunology, 2017, 8, 491.	2.2	8
570	Mouse Panx1 Is Dispensable for Hearing Acquisition and Auditory Function. Frontiers in Molecular Neuroscience, 2017, 10, 379.	1.4	13
571	Genome Modification Technologies and Their Applications in Avian Species. International Journal of Molecular Sciences, 2017, 18, 2245.	1.8	10
572	Systematic screening for skin, hair, and nail abnormalities in a large-scale knockout mouse program. PLoS ONE, 2017, 12, e0180682.	1.1	14
573	The RNA-binding protein Rbm38 is dispensable during pressure overload-induced cardiac remodeling in mice. PLoS ONE, 2017, 12, e0184093.	1.1	11
574	KLK5 and KLK7 Ablation Fully Rescues Lethality of Netherton Syndrome-Like Phenotype. PLoS Genetics, 2017, 13, e1006566.	1.5	66
575	Conditional knockout mice for the distal appendage protein CEP164 reveal its essential roles in airway multiciliated cell differentiation. PLoS Genetics, 2017, 13, e1007128.	1.5	57
576	Association of Body Mass Index with DNA Methylation and Gene Expression in Blood Cells and Relations to Cardiometabolic Disease: A Mendelian Randomization Approach. PLoS Medicine, 2017, 14, e1002215.	3.9	246
577	Similar genomic proportions of copy number variation within gray wolves and modern dog breeds inferred from whole genome sequencing. BMC Genomics, 2017, 18, 977.	1.2	24
578	Adipose specific disruption of seipin causes early-onset generalised lipodystrophy and altered fuel utilisation without severe metabolic disease. Molecular Metabolism, 2018, 10, 55-65.	3.0	36
579	The Role of Bmp2 in the Maturation and Maintenance of the Murine Knee Joint. Journal of Bone and Mineral Research, 2018, 33, 1708-1717.	3.1	34
580	FAM210A is a novel determinant of bone and muscle structure and strength. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3759-E3768.	3.3	49
581	Absence of CFAP69 Causes Male Infertility due to Multiple Morphological Abnormalities of the Flagella in Human and Mouse. American Journal of Human Genetics, 2018, 102, 636-648.	2.6	121
582	High-throughput mouse phenomics for characterizing mammalian gene function. Nature Reviews Genetics, 2018, 19, 357-370.	7.7	78
583	Inducible disruption of the c-myb gene allows allogeneic bone marrow transplantation without irradiation. Journal of Immunological Methods, 2018, 457, 66-72.	0.6	4
584	An evolutionarily conserved ribosome-rescue pathway maintains epidermal homeostasis. Nature, 2018, 556, 376-380.	13.7	47
585	Neddylation mediates ventricular chamber maturation through repression of Hippo signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4101-E4110.	3.3	57
586	RBM20 Mutations Induce an Arrhythmogenic Dilated Cardiomyopathy Related to Disturbed Calcium Handling. Circulation, 2018, 138, 1330-1342.	1.6	152

#	Article	IF	Citations
587	Ulk4 regulates GABAergic signaling and anxiety-related behavior. Translational Psychiatry, 2018, 8, 43.	2.4	20
588	Genetic cartography of longevity in humans and mice: Current landscape and horizons. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 2718-2732.	1.8	27
589	Revisiting multimodal activation and channel properties of Pannexin 1. Journal of General Physiology, 2018, 150, 19-39.	0.9	94
590	Genetically engineered pigs as models for human disease. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	155
591	TUFT1 interacts with RABGAP1 and regulates mTORC1 signaling. Cell Discovery, 2018, 4, 1.	3.1	97
592	ExoCET: exonuclease in vitro assembly combined with RecET recombination for highly efficient direct DNA cloning from complex genomes. Nucleic Acids Research, 2018, 46, e28-e28.	6.5	96
593	Measuring in vivo responses to endogenous and exogenous oxidative stress using a novel haem oxygenase 1 reporter mouse. Journal of Physiology, 2018, 596, 105-127.	1.3	22
594	A mutation in Ccdc39 causes neonatal hydrocephalus with abnormal motile cilia development in mice. Development (Cambridge), 2018, 145, .	1.2	60
595	Haploâ€insufficiency of Bcl2â€associated athanogene 3 in mice results in progressive left ventricular dysfunction, Î²â€adrenergic insensitivity, and increased apoptosis. Journal of Cellular Physiology, 2018, 233, 6319-6326.	2.0	32
596	Sleep/Wake Behaviors in Mice During Pregnancy and Pregnancy-Associated Hypertensive Mice. Sleep, 2018, 41, .	0.6	11
597	KIAA1109 Variants Are Associated with a Severe Disorder of Brain Development and Arthrogryposis. American Journal of Human Genetics, 2018, 102, 116-132.	2.6	46
598	RING finger protein 10 prevents neointimal hyperplasia by promoting apoptosis in vitro and in vivo. Life Sciences, 2018, 208, 325-332.	2.0	5
599	Conditional disruption of hepatic carbamoyl phosphate synthetase 1 in mice results in hyperammonemia without orotic aciduria and can be corrected by liver-directed gene therapy. Molecular Genetics and Metabolism, 2018, 124, 243-253.	0.5	17
600	Targeting of NAT10 enhances healthspan in a mouse model of human accelerated aging syndrome. Nature Communications, 2018, 9, 1700.	5.8	103
601	Phosphate-dependent FGF23 secretion is modulated by PiT2/Slc20a2. Molecular Metabolism, 2018, 11, 197-204.	3.0	62
602	PRRT2 controls neuronal excitability by negatively modulating Na+ channel 1.2/1.6 activity. Brain, 2018, 141, 1000-1016.	3.7	99
603	Region-specific Expression of NMDA Receptor GluN2C Subunit in Parvalbumin-Positive Neurons and Astrocytes: Analysis of GluN2C Expression using a Novel Reporter Model. Neuroscience, 2018, 380, 49-62.	1.1	52
604	Ulk4 deficiency leads to hypomyelination in mice. Glia, 2018, 66, 175-190.	2.5	26

#	Article	IF	Citations
605	Expression of Phosphate Transporters during Dental Mineralization. Journal of Dental Research, 2018, 97, 209-217.	2.5	11
606	Deficiency of the Mitochondrial NAD Kinase Causes Stress-Induced Hepatic Steatosis in Mice. Gastroenterology, 2018, 154, 224-237.	0.6	35
607	High Efficiency Gene Correction in Hematopoietic Cells by Donor-Template-Free CRISPR/Cas9 Genome Editing. Molecular Therapy - Nucleic Acids, 2018, 10, 1-8.	2.3	34
608	Atad3a suppresses Pink1-dependent mitophagy to maintain homeostasis of hematopoietic progenitor cells. Nature Immunology, 2018, 19, 29-40.	7.0	97
609	TM9SF4 is a novel factor promoting autophagic flux under amino acid starvation. Cell Death and Differentiation, 2018, 25, 368-379.	5.0	25
610	The Corticostriatal Adenosine A2A Receptor Controls Maintenance and Retrieval of SpatialÂWorking Memory. Biological Psychiatry, 2018, 83, 530-541.	0.7	42
611	Mitochondrial Substrate-Level Phosphorylation as Energy Source for Glioblastoma: Review and Hypothesis. ASN Neuro, 2018, 10, 175909141881826.	1.5	80
612	Early developmental arrest and impaired gastrointestinal homeostasis in U12-dependent splicing-defective Rnpc3-deficient mice. Rna, 2018, 24, 1856-1870.	1.6	24
613	ALS-Associated E478G Mutation in Human OPTN (Optineurin) Promotes Inflammation and Induces Neuronal Cell Death. Frontiers in Immunology, 2018, 9, 2647.	2.2	33
614	Mutations in Kinesin family member 6 reveal specific role in ependymal cell ciliogenesis and human neurological development. PLoS Genetics, 2018, 14, e1007817.	1.5	45
615	Identification of Homologous Recombination Events in Mouse Embryonic Stem Cells Using Southern Blotting and Polymerase Chain Reaction. Journal of Visualized Experiments, 2018, , .	0.2	1
616	Identification of genes required for eye development by high-throughput screening of mouse knockouts. Communications Biology, 2018, 1, 236.	2.0	37
617	Enhancers in the Peril lincRNA locus regulate distant but not local genes. Genome Biology, 2018, 19, 219.	3.8	20
618	Sleeping beauty transposonâ€mediated poly(A)â€trapping and insertion mutagenesis in mouse embryonic stem cells. Environmental and Molecular Mutagenesis, 2018, 59, 687-697.	0.9	1
619	Sixteen diverse laboratory mouse reference genomes define strain-specific haplotypes and novel functional loci. Nature Genetics, 2018, 50, 1574-1583.	9.4	169
620	Aggrecan Directs Extracellular Matrix-Mediated Neuronal Plasticity. Journal of Neuroscience, 2018, 38, 10102-10113.	1.7	128
621	Absence of ANGPTL4 in adipose tissue improves glucose tolerance and attenuates atherogenesis. JCI Insight, 2018, 3, .	2.3	91
622	The PDL1-inducible GTPase Arl4d controls T effector function by limiting IL-2 production. Scientific Reports, 2018, 8, 16123.	1.6	13

#	Article	IF	Citations
623	The cyclic phosphodiesterase CNP and RNA cyclase RtcA fine-tune noncanonical XBP1 splicing during ER stress. Journal of Biological Chemistry, 2018, 293, 19365-19376.	1.6	14
624	PRMT1 Deficiency in Mouse Juvenile Heart Induces Dilated Cardiomyopathy and Reveals Cryptic Alternative Splicing Products. IScience, 2018, 8, 200-213.	1.9	25
625	Comparative Analysis of cul5 and rbx2 Expression in the Developing and Adult Murine Brain and Their Essentiality During Mouse Embryogenesis. Developmental Dynamics, 2018, 247, 1227-1236.	0.8	5
626	Chd2 Is Necessary for Neural Circuit Development and Long-Term Memory. Neuron, 2018, 100, 1180-1193.e6.	3.8	56
627	Differential Roles of IL-2 Signaling in Developing versus Mature Tregs. Cell Reports, 2018, 25, 1204-1213.e4.	2.9	110
628	The Spastic Paraplegia-Associated Phospholipase DDHD1 Is a Primary Brain Phosphatidylinositol Lipase. Biochemistry, 2018, 57, 5759-5767.	1.2	22
629	The Secretory Pathway Calcium ATPase 1 (SPCA1) controls neural tube closure by regulating cytoskeletal dynamics. Development (Cambridge), 2018, 145, .	1.2	17
630	Hypothalamic <scp>CNTF</scp> volume transmission shapes cortical noradrenergic excitability upon acute stress. EMBO Journal, 2018, 37, .	3.5	33
631	The International Mouse Phenotyping Consortium (IMPC): a functional catalogue of the mammalian genome that informs conservation. Conservation Genetics, 2018, 19, 995-1005.	0.8	82
632	Co-expression of sperm membrane proteins CMTM2A and CMTM2B is essential for ADAM3 localization and male fertility in mice. Journal of Cell Science, 2018, 131, .	1.2	24
633	Mutation in the intracellular chloride channel CLCC1 associated with autosomal recessive retinitis pigmentosa. PLoS Genetics, 2018, 14, e1007504.	1.5	25
634	Targeted cloning of a large gene cluster from Lecanicillium genome by Cre/loxP based method. Journal of Microbiological Methods, 2018, 150, 47-54.	0.7	4
635	Tild-CRISPR Allows for Efficient and Precise Gene Knockin in Mouse and Human Cells. Developmental Cell, 2018, 45, 526-536.e5.	3.1	123
636	Assessing and Modulating Kynurenine Pathway Dynamics in Huntingtonâ€™s Disease: Focus on Kynurenine 3-Monooxygenase. Methods in Molecular Biology, 2018, 1780, 397-413.	0.4	8
637	BAD and KATP channels regulate neuron excitability and epileptiform activity. ELife, 2018, 7, .	2.8	35
638	Uncovering the fine print of the CreERT2-LoxP system while generating a conditional knockout mouse model of Ssrp1 gene. PLoS ONE, 2018, 13, e0199785.	1.1	26
639	BHLHE40, a third transcription factor required for insulin induction of SREBP-1c mRNA in rodent liver. ELife, 2018, 7, .	2.8	18
640	A Sprouty4 reporter to monitor FGF/ERK signaling activity in ESCs and mice. Developmental Biology, 2018, 441, 104-126.	0.9	45

#	Article	IF	Citations
641	Targeted deletion of the AAA-ATPase Ruvbl1 in mice disrupts ciliary integrity and causes renal disease and hydrocephalus. Experimental and Molecular Medicine, 2018, 50, 1-17.	3.2	22
642	Functions of the COPII gene paralogs SEC23A and SEC23B are interchangeable in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7748-E7757.	3.3	58
643	Comparative analysis of single-stranded DNA donors to generate conditional null mouse alleles. BMC Biology, 2018, 16, 69.	1.7	64
644	A Mouse Model of Creatine Transporter Deficiency Reveals Impaired Motor Function and Muscle Energy Metabolism. Frontiers in Physiology, 2018, 9, 773.	1.3	32
645	Epistatic Interactions Between Mutations of Deoxyribonuclease 1-Like 3 and the Inhibitory Fc Gamma Receptor IIB Result in Very Early and Massive Autoantibodies Against Double-Stranded DNA. Frontiers in Immunology, 2018, 9, 1551.	2.2	30
646	Beyond autophagy: a novel role for autism-linked Wdfy3 in brain mitophagy. Scientific Reports, 2018, 8, 11348.	1.6	45
647	53BP1 cooperation with the REV7â€“shieldin complex underpins DNA structure-specific NHEJ. Nature, 2018, 560, 122-127.	13.7	222
648	Disruption of GPR35 Exacerbates Dextran Sulfate Sodium-Induced Colitis in Mice. Digestive Diseases and Sciences, 2018, 63, 2910-2922.	1.1	49
649	The dependence receptor TrkC regulates the number of sensory neurons during DRG development. Developmental Biology, 2018, 442, 249-261.	0.9	3
650	Targeting Inflammatory T Helper Cells via Retinoic Acid-Related Orphan Receptor Gamma t Is Ineffective to Prevent Allo-Response-Driven Colitis. Frontiers in Immunology, 2018, 9, 1138.	2.2	6
651	An optimized electroporation approach for efficient CRISPR/Cas9 genome editing in murine zygotes. PLoS ONE, 2018, 13, e0196891.	1.1	74
652	Tuning of in vivo cognate B-T cell interactions by Intersectin 2 is required for effective anti-viral B cell immunity. ELife, 2018, 7, .	2.8	12
653	A kinase-dependent feedforward loop affects CREBB stability and long term memory formation. ELife, 2018, 7, .	2.8	29
654	Altered distribution of ATG9A and accumulation of axonal aggregates in neurons from a mouse model of AP-4 deficiency syndrome. PLoS Genetics, 2018, 14, e1007363.	1.5	85
655	User-Friendly Genetic Conditional Knockout Strategies by CRISPR/Cas9. Stem Cells International, 2018, 2018, 1-10.	1.2	1
656	OPLAH ablation leads to accumulation of 5-oxoproline, oxidative stress, fibrosis, and elevated fillings pressures: a murine model for heart failure with a preserved ejection fraction. Cardiovascular Research, 2018, 114, 1871-1882.	1.8	38
657	Orphan receptor GPR37L1 contributes to the sexual dimorphism of central cardiovascular control. Biology of Sex Differences, 2018, 9, 14.	1.8	13
658	UTX-mediated enhancer and chromatin remodeling suppresses myeloid leukemogenesis through noncatalytic inverse regulation of ETS and GATA programs. Nature Genetics, 2018, 50, 883-894.	9.4	117

#	Article	IF	Citations
659	mi<scp>RNA</scp>â€regulated transcription associated with mouse strains predisposed to hypnotic effects of ethanol. Brain and Behavior, 2018, 8, e00989.	1.0	2
660	Casz1 controls higher-order nuclear organization in rod photoreceptors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7987-E7996.	3.3	29
661	Fishing forward and reverse: Advances in zebrafish phenomics. Mechanisms of Development, 2018, 154, 296-308.	1.7	26
662	Interferon lambda is required for interferon gamma-expressing NK cell responses but does not afford antiviral protection during acute and persistent murine cytomegalovirus infection. PLoS ONE, 2018, 13, e0197596.	1.1	13
663	Mapping projections of molecularly defined dopamine neuron subtypes using intersectional genetic approaches. Nature Neuroscience, 2018, 21, 1260-1271.	7.1	283
664	Immunomodulatory role of Keratin 76 in oral and gastric cancer. Nature Communications, 2018, 9, 3437.	5.8	32
665	Ndr kinases regulate retinal interneuron proliferation and homeostasis. Scientific Reports, 2018, 8, 12544.	1.6	11
666	Eukaryotic translation initiation factor 3 (eIF3) subunit e is essential for embryonic development and cell proliferation. FEBS Open Bio, 2018, 8, 1188-1201.	1.0	20
667	Application of long single-stranded DNA donors in genome editing: generation and validation of mouse mutants. BMC Biology, 2018, 16, 70.	1.7	74
668	Cell surface flip-flop of phosphatidylserine is critical for PIEZO1-mediated myotube formation. Nature Communications, 2018, 9, 2049.	5.8	127
669	GFPT1 deficiency in muscle leads to myasthenia and myopathy in mice. Human Molecular Genetics, 2018, 27, 3218-3232.	1.4	18
670	CLICK: one-step generation of conditional knockout mice. BMC Genomics, 2018, 19, 318.	1.2	73
671	Transcriptional regulatory control of mammalian nephron progenitors revealed by multi-factor cistromic analysis and genetic studies. PLoS Genetics, 2018, 14, e1007181.	1.5	40
672	BRDT is an essential epigenetic regulator for proper chromatin organization, silencing of sex chromosomes and crossover formation in male meiosis. PLoS Genetics, 2018, 14, e1007209.	1.5	47
673	Secretagogin protects Pdx1 from proteasomal degradation to control a transcriptional program required for Î² cell specification. Molecular Metabolism, 2018, 14, 108-120.	3.0	19
674	Gene Editing in Regenerative Medicine. , 2019, , 741-759.		0
675	Human GNPTAB stuttering mutations engineered into mice cause vocalization deficits and astrocyte pathology in the corpus callosum. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17515-17524.	3.3	36
676	Neuroglobin Expression Models as a Tool to Study Its Function. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-17.	1.9	17

#	Article	IF	Citations
677	Synaptotagmin 17 controls neurite outgrowth and synaptic physiology via distinct cellular pathways. Nature Communications, 2019, 10, 3532.	5.8	26
678	Exercise-induced enhancement of synaptic function triggered by the inverse BAR protein, Mtss1L. ELife, 2019, 8, .	2.8	31
679	Characterization of ANGPTL4 function in macrophages and adipocytes using Angptl4-knockout and Angptl4-hypomorphic mice. Journal of Lipid Research, 2019, 60, 1741-1754.	2.0	36
680	Active cell migration is critical for steady-state epithelial turnover in the gut. Science, 2019, 365, 705-710.	6.0	164
681	The E3 ubiquitin ligase MIB2 enhances inflammation by degrading the deubiquitinating enzyme CYLD. Journal of Biological Chemistry, 2019, 294, 14135-14148.	1.6	21
682	Large-scale neuroanatomical study uncovers 198 gene associations in mouse brain morphogenesis. Nature Communications, 2019, 10, 3465.	5.8	23
683	Morphological Characteristics and Comparative Transcriptome Analysis of Three Different Phenotypes of Pristella maxillaris. Frontiers in Genetics, 2019, 10, 698.	1.1	14
684	Ketone Body Signaling Mediates Intestinal Stem Cell Homeostasis and Adaptation to Diet. Cell, 2019, 178, 1115-1131.e15.	13.5	231
685	Evaluating Population Genomic Candidate Genes Underlying Flowering Time in Arabidopsis thaliana Using T-DNA Insertion Lines. Journal of Heredity, 2019, 110, 445-454.	1.0	9
686	Generation and validation of novel conditional flox and inducible Cre alleles targeting fibroblast growth factor 18 (Fgf18). Developmental Dynamics, 2019, 248, 882-893.	0.8	23
687	Conditional Mutation of SMC5 in Mouse Embryonic Fibroblasts. Methods in Molecular Biology, 2019, 2004, 35-46.	0.4	4
688	Roscovitine blocks collecting duct cyst growth in Cep164-deficient kidneys. Kidney International, 2019, 96, 320-326.	2.6	12
689	Small-protein Enrichment Assay Enables the Rapid, Unbiased Analysis of Over 100 Low Abundance Factors from Human Plasma. Molecular and Cellular Proteomics, 2019, 18, 1899-1915.	2.5	37
690	CYRI/FAM49B negatively regulates RAC1-driven cytoskeletal remodelling and protects against bacterial infection. Nature Microbiology, 2019, 4, 1516-1531.	5.9	37
691	UCHL1 regulates muscle fibers and mTORC1 activity in skeletal muscle. Life Sciences, 2019, 233, 116699.	2.0	15
692	Creation of CRISPR-based germline-genome-engineered mice without ex vivo handling of zygotes by i-GONAD. Nature Protocols, 2019, 14, 2452-2482.	5.5	93
693	Generating viable mice with heritable embryonically lethal mutations using the CRISPR-Cas9 system in two-cell embryos. Nature Communications, 2019, 10, 2883.	5.8	23
694	The Role of the Voltage-Gated Potassium Channel Proteins Kv8.2 and Kv2.1 in Vision and Retinal Disease: Insights from the Study of Mouse Gene Knock-Out Mutations. ENeuro, 2019, 6, ENEURO.0032-19.2019.	0.9	19

#	Article	IF	Citations
695	The mouse curly whiskers (cw) mutations are recessive alleles of hephaestin-like 1 (Hephl1). Molecular Genetics and Metabolism Reports, 2019, 20, 100478.	0.4	3
696	Missense Mutations in the Human Nanophthalmos GeneTMEM98Cause Retinal Defects in the Mouse. , 2019, 60, 2875.		16
697	Bacterial MgrB peptide activates chemoreceptor Fpr3 in mouse accessory olfactory system and drives avoidance behaviour. Nature Communications, 2019, 10, 4889.	5.8	30
698	Conditional targeting in mice reveals that hepatic homogentisate 1,2-dioxygenase activity is essential in reducing circulating homogentisic acid and for effective therapy in the genetic disease alkaptonuria. Human Molecular Genetics, 2019, 28, 3928-3939.	1.4	16
699	Soil Aggregate Stratification of Ureolytic Microbiota Affects Urease Activity in an Inceptisol. Journal of Agricultural and Food Chemistry, 2019, 67, 11584-11590.	2.4	16
700	Signal regulatory protein alpha initiates cachexia through muscle to adipose tissue crosstalk. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 1210-1227.	2.9	20
701	Cannabidiol Regulates Gene Expression in Encephalitogenic T cells Using Histone Methylation and noncoding RNA during Experimental Autoimmune Encephalomyelitis. Scientific Reports, 2019, 9, 15780.	1.6	16
702	Dual function of <scp>VGLL</scp> 4 in muscle regeneration. EMBO Journal, 2019, 38, e101051.	3.5	34
703	The Human-Specific BOLA2 Duplication Modifies Iron Homeostasis and Anemia Predisposition in Chromosome 16p11.2 Autism Individuals. American Journal of Human Genetics, 2019, 105, 947-958.	2.6	30
704	CD9 identifies pancreatic cancer stem cells and modulates glutamine metabolism to fuel tumour growth. Nature Cell Biology, 2019, 21, 1425-1435.	4.6	94
705	Regulation of CHD2 expression by the Chaserr long noncoding RNA gene is essential for viability. Nature Communications, 2019, 10, 5092.	5.8	71
706	Lactate Buildup at the Site of Chronic Inflammation Promotes Disease by Inducing CD4+ T Cell Metabolic Rewiring. Cell Metabolism, 2019, 30, 1055-1074.e8.	7.2	266
707	Genome-wide CRISPR Screens in T Helper Cells Reveal Pervasive Crosstalk between Activation and Differentiation. Cell, 2019, 176, 882-896.e18.	13.5	135
708	Immune Cell-Type Specific Ablation of Adapter Protein ADAP Differentially Modulates EAE. Frontiers in Immunology, 2019, 10, 2343.	2.2	10
709	Generating mouse models for biomedical research: technological advances. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	93
710	Loss-of-Huntingtin in Medial and Lateral Ganglionic Lineages Differentially Disrupts Regional Interneuron and Projection Neuron Subtypes and Promotes Huntington's Disease-Associated Behavioral, Cellular, and Pathological Hallmarks. Journal of Neuroscience, 2019, 39, 1892-1909.	1.7	33
711	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. Genome Biology, 2019, 20, 171.	3.8	69
712	New methods for extracting function from the mammalian genome. Methods, 2019, 164-165, 1-2.	1.9	1

#	Article	IF	Citations
713	Impaired mitochondrial calcium efflux contributes to disease progression in models of Alzheimerâ€™s disease. Nature Communications, 2019, 10, 3885.	5.8	224
714	Intestinal Permeability and IgA Provoke Immune Vasculitis Linked to Cardiovascular Inflammation. Immunity, 2019, 51, 508-521.e6.	6.6	96
715	Cell-type-specific profiling of brain mitochondria reveals functional and molecular diversity. Nature Neuroscience, 2019, 22, 1731-1742.	7.1	181
716	Temporal, spatial, and genetic regulation of external genitalia development. Differentiation, 2019, 110, 1-7.	1.0	9
717	Identification of Essential Proteins Using Induced Stars in Proteinâ€“Protein Interaction Networks. INFORMS Journal on Computing, 2019, 31, 703-718.	1.0	10
718	Cardiomyocyte Homeodomain-Interacting Protein Kinase 2 Maintains Basal Cardiac Function via Extracellular Signal-Regulated Kinase Signaling. Circulation, 2019, 140, 1820-1833.	1.6	21
719	Human brain development through the lens of cerebral organoid models. Brain Research, 2019, 1725, 146470.	1.1	22
720	Interleukin-22 protects intestinal stem cells against genotoxic stress. Nature, 2019, 566, 249-253.	13.7	251
721	ARTD1 in Myeloid Cells Controls the IL-12/18â€“IFN-Î³ Axis in a Model of Sterile Sepsis, Chronic Bacterial Infection, and Cancer. Journal of Immunology, 2019, 202, 1406-1416.	0.4	16
722	Vasoactive intestinal peptide controls the suprachiasmatic circadian clock network via ERK1/2 and DUSP4 signalling. Nature Communications, 2019, 10, 542.	5.8	44
723	Lack of GAS2L2 Causes PCD by Impairing Cilia Orientation and Mucociliary Clearance. American Journal of Human Genetics, 2019, 104, 229-245.	2.6	74
724	A Comprehensive Plasma Metabolomics Dataset for a Cohort of Mouse Knockouts within the International Mouse Phenotyping Consortium. Metabolites, 2019, 9, 101.	1.3	40
725	HSF2BP Interacts with a Conserved Domain of BRCA2 and Is Required for Mouse Spermatogenesis. Cell Reports, 2019, 27, 3790-3798.e7.	2.9	49
726	Mouse Models and Online Resources for Functional Analysis of Osteoporosis Genome-Wide Association Studies. Frontiers in Endocrinology, 2019, 10, 277.	1.5	16
727	The Î±2 chain of type IX collagen is essential for type IX collagen biosynthesis. American Journal of Medical Genetics, Part A, 2019, 179, 1672-1677.	0.7	1
728	Transfer of complex regional pain syndrome to mice via human autoantibodies is mediated by interleukin-1â€“induced mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13067-13076.	3.3	66
729	Recent insights on the role and regulation of retinoic acid signaling during epicardial development. Genesis, 2019, 57, e23303.	0.8	11
730	Genetic Deficiency of Flavin-Containing Monooxygenase 3 (Fmo3) Protects Against Thrombosis but Has Only a Minor Effect on Plasma Lipid Levelsâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1045-1054.	1.1	41

#	Article	IF	Citations
731	The Cdh5-CreERT2 transgene causes conditional Shb gene deletion in hematopoietic cells with consequences for immune cell responses to tumors. Scientific Reports, 2019, 9, 7548.	1.6	10
732	Pyruvate-Carboxylase-Mediated Anaplerosis Promotes Antioxidant Capacity by Sustaining TCA Cycle and Redox Metabolism in Liver. Cell Metabolism, 2019, 29, 1291-1305.e8.	7.2	135
733	Mouse screen reveals multiple new genes underlying mouse and human hearing loss. PLoS Biology, 2019, 17, e3000194.	2.6	84
734	Genome-wide CRISPR-Cas9 screening in mammalian cells. Methods, 2019, 164-165, 29-35.	1.9	49
735	Structure and mechanism of the Red recombination system of bacteriophage Î». Progress in Biophysics and Molecular Biology, 2019, 147, 33-46.	1.4	29
736	Complex formation of APP with GABAB receptors links axonal trafficking to amyloidogenic processing. Nature Communications, 2019, 10, 1331.	5.8	92
737	Contrasting requirements during disease evolution identify EZH2 as a therapeutic target in AML. Journal of Experimental Medicine, 2019, 216, 966-981.	4.2	91
738	Characterization of Mice with a Platelet-Specific Deletion of the Adapter Molecule ADAP. Molecular and Cellular Biology, 2019, 39, .	1.1	12
739	FBXO7 sensitivity of phenotypic traits elucidated by a hypomorphic allele. PLoS ONE, 2019, 14, e0212481.	1.1	7
740	Loss of Frrs1l disrupts synaptic AMPA receptor function, and results in neurodevelopmental, motor, cognitive and electrographical abnormalities. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	22
741	Expression of the Phosphatase Ppef2 Controls Survival and Function of CD8+ Dendritic Cells. Frontiers in Immunology, 2019, 10, 222.	2.2	3
742	Nppb Neurons Are Sensors of Mast Cell-Induced Itch. Cell Reports, 2019, 26, 3561-3573.e4.	2.9	89
743	Prdm12 Directs Nociceptive Sensory Neuron Development by Regulating the Expression of the NGF Receptor TrkA. Cell Reports, 2019, 26, 3522-3536.e5.	2.9	50
744	A constitutive knockout of murine carbamoyl phosphate synthetase 1 results in death with marked hyperglutaminemia and hyperammonemia. Journal of Inherited Metabolic Disease, 2019, 42, 1044-1053.	1.7	9
745	Fluorescent Gene Tagging of Transcriptionally Silent Genes in hiPSCs. Stem Cell Reports, 2019, 12, 1145-1158.	2.3	45
746	FGF10 is an essential regulator of tracheal submucosal gland morphogenesis. Developmental Biology, 2019, 451, 158-166.	0.9	7
747	Loss of postnatal quiescence of neural stem cells through mTOR activation upon genetic removal of cysteine string protein-Î±. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8000-8009.	3.3	26
748	A mouse model for SPG48 reveals a block of autophagic flux upon disruption of adaptor protein complex five. Neurobiology of Disease, 2019, 127, 419-431.	2.1	26

#	Article	IF	Citations
749	The triglyceride synthesis enzymes DGAT1 and DGAT2 have distinct and overlapping functions in adipocytes. Journal of Lipid Research, 2019, 60, 1112-1120.	2.0	106
750	GPAT2 is required for piRNA biogenesis, transposon silencing, and maintenance of spermatogonia in miceâ€. Biology of Reproduction, 2019, 101, 248-256.	1.2	11
751	CRISPR/Cas9-mediated generic protein tagging in mammalian cells. Methods, 2019, 164-165, 59-66.	1.9	7
752	KOnezumi: a web application for automating gene disruption strategies to generate knockout mice. Bioinformatics, 2019, 35, 3479-3481.	1.8	2
753	Using mouse genetics to understand human skeletal disease. Bone, 2019, 126, 27-36.	1.4	5
754	A novel isoform of myosin 18A (Myo18AÎ³) is an essential sarcomeric protein in mouse heart. Journal of Biological Chemistry, 2019, 294, 7202-7218.	1.6	17
755	Dual role of DMXL2 in olfactory information transmission and the first wave of spermatogenesis. PLoS Genetics, 2019, 15, e1007909.	1.5	10
756	C57BL/6J and C57BL/6NJ Mice Are Differentially Susceptible to Inflammation-Associated Disease Caused by Influenza A Virus. Frontiers in Microbiology, 2018, 9, 3307.	1.5	17
757	Colonic epithelial cell diversity in health and inflammatory bowel disease. Nature, 2019, 567, 49-55.	13.7	486
758	Par3 is essential for the establishment of planar cell polarity of inner ear hair cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4999-5008.	3.3	53
759	FAM92A Underlies Nonsyndromic Postaxial Polydactyly in Humans and an Abnormal Limb and Digit Skeletal Phenotype in Mice. Journal of Bone and Mineral Research, 2019, 34, 375-386.	3.1	27
761	Conditional Mutagenesis in Oligodendrocyte Lineage Cells. Methods in Molecular Biology, 2019, 1936, 249-274.	0.4	6
762	Autism and Schizophrenia-Associated CYFIP1 Regulates the Balance of Synaptic Excitation and Inhibition. Cell Reports, 2019, 26, 2037-2051.e6.	2.9	107
763	VGLL4 plays a critical role in heart valve development and homeostasis. PLoS Genetics, 2019, 15, e1007977.	1.5	40
764	Cyfip1 Haploinsufficiency Increases Compulsive-Like Behavior and Modulates Palatable Food Intake in Mice: Dependence on Cyfip2 Genetic Background, Parent-of Origin, and Sex. G3: Genes, Genomes, Genetics, 2019, 9, 3009-3022.	0.8	19
765	Effects of FGF14 and NaVÎ²4 deletion on transient and resurgent Na current in cerebellar Purkinje neurons. Journal of General Physiology, 2019, 151, 1300-1318.	0.9	26
766	Smooth muscle cytochrome b5 reductase 3 deficiency accelerates pulmonary hypertension development in sickle cell mice. Blood Advances, 2019, 3, 4104-4116.	2.5	12
767	The Mouse, a Model Organism for Biomedical Research. , 2019, , 119-140.		6

#	Article	IF	Citations
768	TarGo: network based target gene selection system for human disease related mouse models. Laboratory Animal Research, 2019, 35, 23.	1.1	0
769	Induction via Functional Protein Stabilization of Hepatic Cytochromes P450 upon gp78/Autocrine Motility Factor Receptor (AMFR) Ubiquitin E3-Ligase Genetic Ablation in Mice: Therapeutic and Toxicological Relevance. Molecular Pharmacology, 2019, 96, 641-654.	1.0	11
770	Functional loss of Ccdc1 51 leads to hydrocephalus in a mouse model of primary ciliary dyskinesia. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	21
771	MicroRNA-124-3p suppresses mouse lip mesenchymal cell proliferation through the regulation of genes associated with cleft lip in the mouse. BMC Genomics, 2019, 20, 852.	1.2	16
772	The alternative cap-binding complex is required for antiviral defense in vivo. PLoS Pathogens, 2019, 15, e1008155.	2.1	19
773	Cardiac hypertrophy or failure? - A systematic evaluation of the transverse aortic constriction model in C57BL/6NTac and C57BL/6J substrains. Current Research in Physiology, 2019, 1, 1-10.	0.8	22
774	The proteasome regulator PI31 is required for protein homeostasis, synapse maintenance, and neuronal survival in mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24639-24650.	3.3	22
775	A Novel Mouse Model of MYO7A USH1B Reveals Auditory and Visual System Haploinsufficiencies. Frontiers in Neuroscience, 2019, 13, 1255.	1.4	17
776	Dual Regulatory Functions of SUFU and Targetome of GLI2 in SHH Subgroup Medulloblastoma. Developmental Cell, 2019, 48, 167-183.e5.	3.1	39
777	Loss of the dystonia geneThap1leads to transcriptional deficits that converge on common pathogenic pathways in dystonic syndromes. Human Molecular Genetics, 2019, 28, 1343-1356.	1.4	33
778	The transmembrane protein disulfide isomerase TMX1 negatively regulates platelet responses. Blood, 2019, 133, 246-251.	0.6	22
779	P2X7 receptor restrains pathogenic Tfh cell generation in systemic lupus erythematosus. Journal of Experimental Medicine, 2019, 216, 317-336.	4.2	83
780	Î²1 Syntrophin Supports Autophagy Initiation and Protects against Cerulein-Induced Acute Pancreatitis. American Journal of Pathology, 2019, 189, 813-825.	1.9	6
781	ENSA and ARPP19 differentially control cell cycle progression and development. Journal of Cell Biology, 2019, 218, 541-558.	2.3	30
782	USP44 is dispensable for normal hematopoietic stem cell function, lymphocyte development, and B-cell-mediated immune response in a mouse model. Experimental Hematology, 2019, 72, 1-8.	0.2	8
783	RNF216 is essential for spermatogenesis and male fertilityâ€. Biology of Reproduction, 2019, 100, 1132-1134.	1.2	19
784	Leukoencephalopathy due to variants in GFPT1- associated congenital myasthenic syndrome. Neurology, 2019, 92, e587-e593.	1.5	14
785	CDK5RAP3, a UFL1 substrate adaptor, is critical for liver development. Development (Cambridge), 2019, 146, .	1.2	49

#	Article	IF	Citations
786	Transgene Recombineering in Bacterial Artificial Chromosomes. Methods in Molecular Biology, 2019, 1874, 43-69.	0.4	5
787	Human SETMAR is a DNA sequence-specific histone-methylase with a broad effect on the transcriptome. Nucleic Acids Research, 2019, 47, 122-133.	6.5	23
788	The epilepsy-associated protein TBC1D24 is required for normal development, survival and vesicle trafficking in mammalian neurons. Human Molecular Genetics, 2019, 28, 584-597.	1.4	35
789	Tissue-specific kinase expression and activity regulate flux through the pyruvate dehydrogenase complex. Journal of Biological Chemistry, 2019, 294, 838-851.	1.6	35
790	Constitutive Inactivation of the PRRT2 Gene Alters Short-Term Synaptic Plasticity and Promotes Network Hyperexcitability in Hippocampal Neurons. Cerebral Cortex, 2019, 29, 2010-2033.	1.6	33
791	Immunochemical analysis of the expression of SV2C in mouse, macaque and human brain. Brain Research, 2019, 1702, 85-95.	1.1	17
792	Axonal autophagosome maturation defect through failure of ATG9A sorting underpins pathology in AP-4 deficiency syndrome. Autophagy, 2020, 16, 391-407.	4.3	59
793	Genome editing-based approaches for imaging protein localization and dynamics in the mammalian brain. Neuroscience Research, 2020, 150, 2-7.	1.0	6
794	High mobility group A1 (HMGA1) protein and gene expression correlate with ER-negativity and poor outcomes in breast cancer. Breast Cancer Research and Treatment, 2020, 179, 25-35.	1.1	14
795	Monocarboxylate transporter 1 in Schwann cells contributes to maintenance of sensory nerve myelination during aging. Glia, 2020, 68, 161-177.	2.5	46
796	Aplasia cutis congenita associated with a heterozygous lossâ€ofâ€function UBA2 variant. British Journal of Dermatology, 2020, 182, 792-794.	1.4	4
797	MAP9 Loss Triggers Chromosomal Instability, Initiates Colorectal Tumorigenesis, and Is Associated with Poor Survival of Patients with Colorectal Cancer. Clinical Cancer Research, 2020, 26, 746-757.	3.2	11
798	Aneuploidy-inducing gene knockdowns overlap with cancer mutations and identify Orp3 as a B-cell lymphoma suppressor. Oncogene, 2020, 39, 1445-1465.	2.6	11
799	Loss of ADAMTS19 causes progressive non-syndromic heart valve disease. Nature Genetics, 2020, 52, 40-47.	9.4	46
800	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. Nature Immunology, 2020, 21, 86-100.	7.0	32
801	Mouse t-complex protein 11 is important for progressive motility in spermâ€. Biology of Reproduction, 2020, 102, 852-862.	1.2	15
802	The contribution of mouse models in the rare disease alkaptonuria. Drug Discovery Today: Disease Models, 2020, 31, 37-43.	1.2	1
803	Stomachâ€“Liver Axis in The Regulation of Bone Mass. , 2020, , 551-557.		0

#	Article	IF	Citations
804	Signalling lymphocyte activation molecule family member 9 is found on select subsets of antigenâ€presenting cells and promotes resistance to Salmonella infection. Immunology, 2020, 159, 393-403.	2.0	7
805	Loss of CTRP4 alters adiposity and food intake behaviors in obese mice. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E1084-E1100.	1.8	22
806	Synaptojanin2 Mutation Causes Progressive High-frequency Hearing Loss in Mice. Frontiers in Cellular Neuroscience, 2020, 14, 561857.	1.8	7
807	Long Noncoding RNA AW112010 Promotes the Differentiation of Inflammatory T Cells by Suppressing IL-10 Expression through Histone Demethylation. Journal of Immunology, 2020, 205, 987-993.	0.4	34
808	PRDM15 is a key regulator of metabolism critical to sustain B-cell lymphomagenesis. Nature Communications, 2020, 11, 3520.	5.8	20
809	N6-methyladenine in DNA antagonizes SATB1 in early development. Nature, 2020, 583, 625-630.	13.7	53
810	TCF7L2 regulates postmitotic differentiation programs and excitability patterns in the thalamus. Development (Cambridge), 2020, 147, .	1.2	16
811	Tumors induce de novo steroid biosynthesis in T cells to evade immunity. Nature Communications, 2020, 11, 3588.	5.8	54
812	Targeted Disruption of Mouse Dip2B Leads to Abnormal Lung Development and Prenatal Lethality. International Journal of Molecular Sciences, 2020, 21, 8223.	1.8	11
813	Heterozygous Variants in KDM4B Lead to Global Developmental Delay and Neuroanatomical Defects. American Journal of Human Genetics, 2020, 107, 1170-1177.	2.6	13
814	Cerebellar and hepatic alterations in ACBD5-deficient mice are associated with unexpected, distinct alterations in cellular lipid homeostasis. Communications Biology, 2020, 3, 713.	2.0	18
815	Maternal DOT1L is dispensable for mouse development. Scientific Reports, 2020, 10, 20636.	1.6	13
816	Î²-Pix-dependent cellular protrusions propel collective mesoderm migration in the mouse embryo. Nature Communications, 2020, 11, 6066.	5.8	8
817	The Protein Arginine Methyltransferase PRMT8 and Substrate G3BP1 Control Rac1-PAK1 Signaling and Actin Cytoskeleton for Dendritic Spine Maturation. Cell Reports, 2020, 31, 107744.	2.9	23
818	Impaired NLRP3 inflammasome activation/pyroptosis leads to robust inflammatory cell death via caspase-8/RIPK3 during coronavirus infection. Journal of Biological Chemistry, 2020, 295, 14040-14052.	1.6	144
819	IFN-Î» Enhances Constitutive Expression of MHC Class I Molecules on Thymic Epithelial Cells. Journal of Immunology, 2020, 205, 1268-1280.	0.4	18
820	Cytoplasmic Dynein Functions in Planar Polarization of Basal Bodies within Ciliated Cells. IScience, 2020, 23, 101213.	1.9	18
821	Unexpectedly High Levels of Inverted Re-Insertions Using Paired sgRNAs for Genomic Deletions. Methods and Protocols, 2020, 3, 53.	0.9	8

#	Article	IF	Citations
822	Phenotypic characteristics of commonly used inbred mouse strains. Journal of Molecular Medicine, 2020, 98, 1215-1234.	1.7	15
823	Optimized Tuning of Auditory Inner Hair Cells to Encode Complex Sound through Synergistic Activity of Six Independent K+ Current Entities. Cell Reports, 2020, 32, 107869.	2.9	18
824	LY6E impairs coronavirus fusion and confers immune control of viral disease. Nature Microbiology, 2020, 5, 1330-1339.	5.9	170
825	Genome targeting by hybrid Flp-TAL recombinases. Scientific Reports, 2020, 10, 17479.	1.6	8
826	Trappc9 deficiency causes parent-of-origin dependent microcephaly and obesity. PLoS Genetics, 2020, 16, e1008916.	1.5	22
827	Loss ofAnks6leads to YAP deficiency and liver abnormalities. Human Molecular Genetics, 2020, 29, 3064-3080.	1.4	11
828	Biallelic variants in the small optic lobe calpain CAPN15 are associated with congenital eye anomalies, deafness and other neurodevelopmental deficits. Human Molecular Genetics, 2020, 29, 3054-3063.	1.4	15
829	Sleep Architecture in Mice Is Shaped by the Transcription Factor AP-2Î². Genetics, 2020, 216, 753-764.	1.2	5
830	Cfap97d1Âis important for flagellar axoneme maintenance and male mouse fertility. PLoS Genetics, 2020, 16, e1008954.	1.5	15
831	Genome editing with the donor plasmid equipped with synthetic crRNA-target sequence. Scientific Reports, 2020, 10, 14120.	1.6	7
832	The Secreted Glycoprotein Reelin Suppresses the Proliferation and Regulates the Distribution of Oligodendrocyte Progenitor Cells in the Embryonic Neocortex. Journal of Neuroscience, 2020, 40, 7625-7636.	1.7	10
833	Variant in NHLRC2 leads to increased hnRNP C2 in developing neurons and the hippocampus of a mouse model of FINCAÂdisease. Molecular Medicine, 2020, 26, 123.	1.9	5
834	De novo synthesis and salvage pathway coordinately regulate polyamine homeostasis and determine T cell proliferation and function. Science Advances, 2020, 6, .	4.7	46
835	Autophagy receptor OPTN (optineurin) regulates mesenchymal stem cell fate and bone-fat balance during aging by clearing FABP3. Autophagy, 2021, 17, 2766-2782.	4.3	63
836	Mutations in the KIF21B kinesin gene cause neurodevelopmental disorders through imbalanced canonical motor activity. Nature Communications, 2020, 11, 2441.	5.8	37
837	Interferon-Î» Receptor Expression: Novel Reporter Mouse Reveals Within- and Cross-Tissue Heterogeneity. Journal of Interferon and Cytokine Research, 2020, 40, 292-300.	0.5	3
838	ATRAID regulates the action of nitrogen-containing bisphosphonates on bone. Science Translational Medicine, 2020, 12, .	5.8	15
839	Pax2 and Pax8 Proteins Regulate Urea Transporters and Aquaporins to Control Urine Concentration in the Adult Kidney. Journal of the American Society of Nephrology: JASN, 2020, 31, 1212-1225.	3.0	18

#	Article	IF	Citations
840	CAMSAP3 facilitates basal body polarity and the formation of the central pair of microtubules in motile cilia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13571-13579.	3.3	25
841	Ablation of Iah1, a candidate gene for diet-induced fatty liver, does not affect liver lipid accumulation in mice. PLoS ONE, 2020, 15, e0233087.	1.1	3
842	An Erg-driven transcriptional program controls B cell lymphopoiesis. Nature Communications, 2020, 11, 3013.	5.8	29
843	Alzheimerâ€™s disease-related dysregulation of mRNA translation causes key pathological features with ageing. Translational Psychiatry, 2020, 10, 192.	2.4	37
844	Going wild for functional genomics: RNA interference as a tool to study gene-behavior associations in diverse species and ecological contexts. Hormones and Behavior, 2020, 124, 104774.	1.0	10
845	AP-2Î²/KCTD1 Control Distal Nephron Differentiation and Protect against Renal Fibrosis. Developmental Cell, 2020, 54, 348-366.e5.	3.1	24
846	Polymorphisms in miRNA binding sites involved in metabolic diseases in mice and humans. Scientific Reports, 2020, 10, 7202.	1.6	8
847	The Jeff Mouse Mutant Model for Chronic Otitis Media Manifests Gain-of-Function as Well as Loss-of-Function Effects. Frontiers in Genetics, 2020, 11, 498.	1.1	2
848	Genetic and Genomic Advances in Developmental Models: Applications for Nutrition Research. Advances in Nutrition, 2020, 11, 971-978.	2.9	5
849	Anti-angiogenic effects of VEGF stimulation on endothelium deficient in phosphoinositide recycling. Nature Communications, 2020, 11, 1204.	5.8	16
850	Principles of Genetic Engineering. Genes, 2020, 11, 291.	1.0	41
851	The Synaptic Vesicle Priming Protein CAPS-1 Shapes the Adaptation of Sensory Evoked Responses in Mouse Visual Cortex. Cell Reports, 2020, 30, 3261-3269.e4.	2.9	7
852	Heterochromatin protein 1Î³ deficiency decreases histone H3K27 methylation in mouse neurosphere neuronal genes. FASEB Journal, 2020, 34, 3956-3968.	0.2	2
853	Calsyntenin-3 interacts with both Î±- and Î²-neurexins in the regulation of excitatory synaptic innervation in specific Schaffer collateral pathways. Journal of Biological Chemistry, 2020, 295, 9244-9262.	1.6	14
854	Glutamyl-Prolyl-tRNA Synthetase Regulates Proline-Rich Pro-Fibrotic Protein Synthesis During Cardiac Fibrosis. Circulation Research, 2020, 127, 827-846.	2.0	51
855	Line-selective macrophage activation with an anti-CD40 antibody drives a hemophagocytic syndrome in mice. Blood Advances, 2020, 4, 2751-2761.	2.5	10
856	Genes adapt to outsmart gene-targeting strategies in mutant mouse strains by skipping exons to reinitiate transcription and translation. Genome Biology, 2020, 21, 168.	3.8	19
857	A Novel Function of Sphingosine Kinase 2 in the Metabolism of Sphinga-4,14-Diene Lipids. Metabolites, 2020, 10, 236.	1.3	17

#	Article	IF	Citations
858	ELKS1 Captures Rab6-Marked Vesicular Cargo in Presynaptic Nerve Terminals. Cell Reports, 2020, 31, 107712.	2.9	29
859	Interferon-Induced Protein 44 and Interferon-Induced Protein 44-Like Restrict Replication of Respiratory Syncytial Virus. Journal of Virology, 2020, 94, .	1.5	49
860	Chemokines and galectins form heterodimers to modulate inflammation. EMBO Reports, 2020, 21, e47852.	2.0	63
861	The unique expression profile of FAM19A1 in the mouse brain and its association with hyperactivity, long-term memory and fear acquisition. Scientific Reports, 2020, 10, 3969.	1.6	10
862	DYNLRB1 is essential for dynein mediated transport and neuronal survival. Neurobiology of Disease, 2020, 140, 104816.	2.1	15
863	Acute knockdown of Depdc5 leads to synaptic defects in mTOR-related epileptogenesis. Neurobiology of Disease, 2020, 139, 104822.	2.1	22
864	Formation and contraction of multicellular actomyosin cables facilitate lens placode invagination. Developmental Biology, 2020, 462, 36-49.	0.9	21
865	High-throughput discovery of genetic determinants of circadian misalignment. PLoS Genetics, 2020, 16, e1008577.	1.5	10
866	Functional analysis of candidate genes from genome-wide association studies of hearing. Hearing Research, 2020, 387, 107879.	0.9	13
867	Deficiency in ZMPSTE24 and resulting farnesylâ€“prelamin A accumulation only modestly affect mouse adipose tissue stores. Journal of Lipid Research, 2020, 61, 413-421.	2.0	9
868	HDAC10 deletion promotes Foxp3+ T-regulatory cell function. Scientific Reports, 2020, 10, 424.	1.6	42
869	ADAP Promotes Degranulation and Migration of NK Cells Primed During in vivo Listeria monocytogenes Infection in Mice. Frontiers in Immunology, 2020, 10, 3144.	2.2	5
870	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	13.7	326
871	Liveâ€cell PCR and oneâ€step purification streamline DNA engineering. FASEB Journal, 2020, 34, 3448-3460.	0.2	3
872	The intellectual disability PAK3 R67C mutation impacts cognitive functions and adult hippocampal neurogenesis. Human Molecular Genetics, 2020, 29, 1950-1968.	1.4	8
873	Inhibition of the mitochondrial citrate carrier, Slc25a1, reverts steatosis, glucose intolerance, and inflammation in preclinical models of NAFLD/NASH. Cell Death and Differentiation, 2020, 27, 2143-2157.	5.0	60
874	Deubiquitinase MYSM1 in the Hematopoietic System and beyond: A Current Review. International Journal of Molecular Sciences, 2020, 21, 3007.	1.8	23
875	E2f8 and Dlg2 genes have independent effects on impaired insulin secretion associated with hyperglycaemia. Diabetologia, 2020, 63, 1333-1348.	2.9	14

#	Article	IF	Citations
876	Cep55 promotes cytokinesis of neural progenitors but is dispensable for most mammalian cell divisions. Nature Communications, 2020, 11, 1746.	5.8	37
877	T Cell Factor 1 Suppresses CD103+ Lung Tissue-Resident Memory T Cell Development. Cell Reports, 2020, 31, 107484.	2.9	38
878	XPO5 promotes primary miRNA processing independently of RanGTP. Nature Communications, 2020, 11, 1845.	5.8	21
879	Pleiotropic loci underlying bone mineral density and bone size identified by a bivariate genome-wide association analysis. Osteoporosis International, 2020, 31, 1691-1701.	1.3	8
880	Genetic manipulation of Toxoplasma gondii. , 2020, , 897-940.		11
881	Spatial and temporal deletion reveals a latent effect of Megf8 on the left-right patterning and heart development. Differentiation, 2020, 113, 19-25.	1.0	5
882	The Autism-Related Protein SETD5 Controls Neural Cell Proliferation through Epigenetic Regulation of rDNA Expression. IScience, 2020, 23, 101030.	1.9	18
883	Loss-of-function of the long non-coding RNA A830019P07Rik in mice does not affect insulin expression and secretion. Scientific Reports, 2020, 10, 6413.	1.6	3
884	The nanophthalmos protein TMEM98 inhibits MYRF self-cleavage and is required for eye size specification. PLoS Genetics, 2020, 16, e1008583.	1.5	17
885	CRISPR/Cas9-Mediated Genome Editing Reveals Oosp Family Genes are Dispensable for Female Fertility in Mice. Cells, 2020, 9, 821.	1.8	9
886	Map3k1 Loss Cooperates with Braf to Drive Melanomagenesis. Journal of Investigative Dermatology, 2021, 141, 221-225.e6.	0.3	3
887	Universal Southern blot protocol with cold or radioactive probes for the validation of alleles obtained by homologous recombination. Methods, 2021, 191, 59-67.	1.9	18
888	TC10, a Rho family GTPase, is required for efficient axon regeneration in a neuronâ€autonomous manner. Journal of Neurochemistry, 2021, 157, 1196-1206.	2.1	5
889	Efficient allele conversion in mouse zygotes and primary cells based on electroporation of Cre protein. Methods, 2021, 191, 87-94.	1.9	7
890	Knockout of the gene encoding the extracellular matrix protein <scp>SNED1</scp> results in early neonatal lethality and craniofacial malformations. Developmental Dynamics, 2021, 250, 274-294.	0.8	10
891	Ribosome-Targeting Antibiotics Impair T Cell Effector Function and Ameliorate Autoimmunity by Blocking Mitochondrial Protein Synthesis. Immunity, 2021, 54, 68-83.e6.	6.6	51
892	Synergism of TNF-Î± and IFN-Î³ Triggers Inflammatory Cell Death, Tissue Damage, and Mortality in SARS-CoV-2 Infection and Cytokine Shock Syndromes. Cell, 2021, 184, 149-168.e17.	13.5	923
893	Generation of mouse conditional knockout alleles in one step using the i-GONAD method. Genome Research, 2021, 31, 121-130.	2.4	17

#	Article	IF	Citations
894	Update of P2X receptor properties and their pharmacology: IUPHAR Review 30. British Journal of Pharmacology, 2021, 178, 489-514.	2.7	165
895	High-throughput genotyping of high-homology mutant mouse strains by next-generation sequencing. Methods, 2021, 191, 78-86.	1.9	4
896	CRISPR-mediated knock-in in the mouse embryo using long single stranded DNA donors synthesised by biotinylated PCR. Methods, 2021, 191, 3-14.	1.9	17
898	The Genetic Basis of Reporter Mouse Strains. Advances in Experimental Medicine and Biology, 2021, 1310, 551-564.	0.8	0
899	Genome editing in stem cells for genetic neurodisorders. Progress in Molecular Biology and Translational Science, 2021, 182, 403-438.	0.9	6
900	Rapid Way to Generate Mouse Models for In Vivo Studies of the Endothelium. Journal of Lipid and Atherosclerosis, 2021, 10, 24.	1.1	2
901	Functionathon: a manual data mining workflow to generate functional hypotheses for uncharacterized human proteins and its application by undergraduate students. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	1.4	8
902	Analysis of Gene Expression Using lacZ Reporter Mouse Lines. Methods in Molecular Biology, 2021, 2224, 29-45.	0.4	0
903	Bardetâ€“Biedl Syndrome ciliopathy is linked to altered hematopoiesis and dysregulated selfâ€tolerance. EMBO Reports, 2021, 22, e50785.	2.0	29
905	Rodent Genetics. Laboratory Animal Science and Medicine, 2021, , 11-52.	0.1	0
906	EVL regulates VEGF receptorâ€2 internalization and signaling in developmental angiogenesis. EMBO Reports, 2021, 22, e48961.	2.0	19
907	Haploinsufficiency of the HIRA gene located in the 22q11 deletion syndrome region is associated with abnormal neurodevelopment and impaired dendritic outgrowth. Human Genetics, 2021, 140, 885-896.	1.8	10
908	Designing and generating a mouse model: frequently asked questions. Journal of Biomedical Research, 2021, 35, 76.	0.7	6
911	CRISPR/Cas9-Mediated Introduction of Specific Heterozygous Mutations in Human Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2021, , 531-557.	0.4	3
912	Deletion of Orphan G Protein-Coupled Receptor GPR37L1 in Mice Alters Cardiovascular Homeostasis in a Sex-Specific Manner. Frontiers in Pharmacology, 2020, 11, 600266.	1.6	7
913	Quick validation of genetic quality for conditional alleles in mice. Genes To Cells, 2021, 26, 240-245.	0.5	3
915	Elevated NSD3 histone methylation activity drives squamous cell lung cancer. Nature, 2021, 590, 504-508.	13.7	79
916	Secretagogin marks amygdaloid PKCÎ´ interneurons and modulates NMDA receptor availability. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	5

#	Article	IF	Citations
917	Divergent erythroid megakaryocyte fates in Blvrb-deficient mice establish non-overlapping cytoprotective functions during stress hematopoiesis. Free Radical Biology and Medicine, 2021, 164, 164-174.	1.3	10
918	Inadvertent nucleotide sequence alterations during mutagenesis: highlighting the vulnerabilities in mouse transgenic technology. Journal of Genetic Engineering and Biotechnology, 2021, 19, 30.	1.5	3
919	Type 1 dopamine receptor (D1R)-independent circadian food anticipatory activity in mice. PLoS ONE, 2021, 16, e0242897.	1.1	10
920	Applications of genome editing on laboratory animals. Laboratory Animals, 2022, 56, 13-25.	0.5	4
921	Control of oviductal fluid flow by the G-protein coupled receptor Adgrd1 is essential for murine embryo transit. Nature Communications, 2021, 12, 1251.	5.8	32
922	Mutant non-coding RNA resource in mouse embryonic stem cells. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	3
923	AP-64, Encoded by C5orf46, Exhibits Antimicrobial Activity against Gram-Negative Bacteria. Biomolecules, 2021, 11, 485.	1.8	6
925	Effect of conditional deletion of cytoplasmic dynein heavy chain DYNC1H1 on postnatal photoreceptors. PLoS ONE, 2021, 16, e0248354.	1.1	10
926	Amyloid Precursor-like Protein 2 Expression Increases during Pancreatic Cancer Development and Shortens the Survival of a Spontaneous Mouse Model of Pancreatic Cancer. Cancers, 2021, 13, 1535.	1.7	3
927	Heart defects and embryonic lethality in Asb2 knock out mice correlate with placental defects. Cells and Development, 2021, 165, 203663.	0.7	3
928	A novel knockout mouse for the small EDRK-rich factor 2 (Serf2) showing developmental and other deficits. Mammalian Genome, 2021, 32, 94-103.	1.0	10
930	Intact synapse structure and function after combined knockout of PTPÎ´, PTPÏƒ, and LAR. ELife, 2021, 10, .	2.8	13
931	An interaction between PRRT2 and Na+/K+ ATPase contributes to the control of neuronal excitability. Cell Death and Disease, 2021, 12, 292.	2.7	13
932	Myopathy associated LDB3 mutation causes Z-disc disassembly and protein aggregation through PKCÎ± and TSC2-mTOR downregulation. Communications Biology, 2021, 4, 355.	2.0	18
933	Blockade of IL-22 signaling reverses erythroid dysfunction in stress-induced anemias. Nature Immunology, 2021, 22, 520-529.	7.0	11
935	Regulation of B Lymphocyte Development by Histone H2A Deubiquitinase BAP1. Frontiers in Immunology, 2021, 12, 626418.	2.2	8
936	The Chromatin Regulator Ankrd11 Controls Palate and Cranial Bone Development. Frontiers in Cell and Developmental Biology, 2021, 9, 645386.	1.8	16
937	Planar cell polarity induces local microtubule bundling for coordinated ciliary beating. Journal of Cell Biology, 2021, 220, .	2.3	11

#	Article	IF	Citations
939	Defects in translation-dependent quality control pathways lead to convergent molecular and neurodevelopmental pathology. ELife, 2021, 10, .	2.8	15
940	A resource of targeted mutant mouse lines for 5,061 genes. Nature Genetics, 2021, 53, 416-419.	9.4	60
941	Droplet digital PCR or quantitative PCR for in-depth genomic and functional validation of genetically altered rodents. Methods, 2021, 191, 107-119.	1.9	14
942	From Conception to Development: Investigating PROTACs Features for Improved Cell Permeability and Successful Protein Degradation. Frontiers in Chemistry, 2021, 9, 672267.	1.8	77
944	Slc20a2-Deficient Mice Exhibit Multisystem Abnormalities and Impaired Spatial Learning Memory and Sensorimotor Gating but Normal Motor Coordination Abilities. Frontiers in Genetics, 2021, 12, 639935.	1.1	9
945	Feasibility of large experimental animal models in testing novel therapeutic strategies for diabetes. World Journal of Diabetes, 2021, 12, 306-330.	1.3	2
947	PKC-phosphorylation of Liprin-Î±3 triggers phase separation and controls presynaptic active zone structure. Nature Communications, 2021, 12, 3057.	5.8	46
948	Human stem cellâ€based models for studying hostâ€pathogen interactions. Cellular Microbiology, 2021, 23, e13335.	1.1	13
949	DACH1 protects podocytes from experimental diabetic injury and modulates PTIP-H3K4Me3 activity. Journal of Clinical Investigation, 2021, 131, .	3.9	23
950	EXOC1 plays an integral role in spermatogonia pseudopod elongation and spermatocyte stable syncytium formation in mice. ELife, 2021, 10, .	2.8	6
951	Beta cell adaptation to pregnancy requires prolactin action on both beta and non-beta cells. Scientific Reports, 2021, 11, 10372.	1.6	13
953	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. Nature Communications, 2021, 12, 2444.	5.8	58
954	The multiple facets of Cajal-Retzius neurons. Development (Cambridge), 2021, 148, .	1.2	33
955	Loss of diacylglycerol kinase Îµ causes thrombotic microangiopathy by impairing endothelial VEGFA signaling. JCI Insight, 2021, 6, .	2.3	10
956	Variants in the degron of AFF3 are associated with intellectual disability, mesomelic dysplasia, horseshoe kidney, and epileptic encephalopathy. American Journal of Human Genetics, 2021, 108, 857-873.	2.6	19
957	Increased responsiveness at the cerebellar input stage in the PRRT2 knockout model of paroxysmal kinesigenic dyskinesia. Neurobiology of Disease, 2021, 152, 105275.	2.1	15
958	Analysis of Dip2B Expression in Adult Mouse Tissues Using the LacZ Reporter Gene. Current Issues in Molecular Biology, 2021, 43, 529-542.	1.0	1
959	A simplified method for separating renal MPCs using SLAMF9. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 1209-1217.	1.1	2

#	Article	IF	Citations
960	Advances in mouse genetics for the study of human disease. Human Molecular Genetics, 2021, 30, R274-R284.	1.4	26
961	Generation of a Mouse Model to Study the Noonan Syndrome Gene Lztr1 in the Telencephalon. Frontiers in Cell and Developmental Biology, 2021, 9, 673995.	1.8	1
962	PRRT2 modulates presynaptic Ca2+ influx by interacting with P/Q-type channels. Cell Reports, 2021, 35, 109248.	2.9	15
963	Tubulin-folding cofactor E deficiency promotes vascular dysfunction by increased endoplasmic reticulum stress. European Heart Journal, 2022, 43, 488-500.	1.0	6
964	Deletion of the lactoperoxidase gene causes multisystem inflammation and tumors in mice. Scientific Reports, 2021, 11, 12429.	1.6	15
966	Loss of neuronal Miro1 disrupts mitophagy and induces hyperactivation of the integrated stress response. EMBO Journal, 2021, 40, e100715.	3.5	36
967	Disruption of NEUROD2 causes a neurodevelopmental syndrome with autistic features via cell-autonomous defects in forebrain glutamatergic neurons. Molecular Psychiatry, 2021, 26, 6125-6148.	4.1	21
968	Tumor suppressor p53 regulates intestinal type 2 immunity. Nature Communications, 2021, 12, 3371.	5.8	19
969	Loss of growth hormone signaling in the mouse germline or in adulthood reduces islet mass and alters islet function with notable sex differences. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E1158-E1172.	1.8	5
970	Brain-specific heterozygous loss-of-function of ATP2A2, endoplasmic reticulum Ca2+ pump responsible for Darierâ€™s disease, causes behavioral abnormalities and a hyper-dopaminergic state. Human Molecular Genetics, 2021, 30, 1762-1772.	1.4	18
972	Three-Dimensional X-ray Imaging of Î²-Galactosidase Reporter Activity by Micro-CT: Implication for Quantitative Analysis of Gene Expression. Brain Sciences, 2021, 11, 746.	1.1	8
975	Kcns3 deficiency disrupts Parvalbumin neuron physiology in mouse prefrontal cortex: Implications for the pathophysiology of schizophrenia. Neurobiology of Disease, 2021, 155, 105382.	2.1	5
977	Screening and validation of genome-edited animals. Laboratory Animals, 2022, 56, 69-82.	0.5	8
978	CISH constrains the tuftâ€“ILC2 circuit to set epithelial and immune tone. Mucosal Immunology, 2021, 14, 1295-1305.	2.7	16
979	Mast Cell-Specific Deletion of Group III Secreted Phospholipase A2 Impairs Mast Cell Maturation and Functions. Cells, 2021, 10, 1691.	1.8	6
980	CD4+ T-cell differentiation and function: Unifying glycolysis, fatty acid oxidation, polyamines NAD mitochondria. Journal of Allergy and Clinical Immunology, 2021, 148, 16-32.	1.5	49
981	G-Protein-Coupled Estrogen Receptor-1 Positively Regulates the Growth Plate Chondrocyte Proliferation in Female Pubertal Mice. Frontiers in Cell and Developmental Biology, 2021, 9, 710664.	1.8	8
982	A Multi-Omics Approach Using a Mouse Model of Cardiac Malformations for Prioritization of Human Congenital Heart Disease Contributing Genes. Frontiers in Cardiovascular Medicine, 2021, 8, 683074.	1.1	2

#	Article	IF	Citations
983	Ubiquitin Specific Protease 1 Expression and Function in T Cell Immunity. Journal of Immunology, 2021, 207, 1377-1387.	0.4	3
985	FBF1 deficiency promotes beiging and healthy expansion of white adipose tissue. Cell Reports, 2021, 36, 109481.	2.9	17
986	Severe deficiency of the voltage-gated sodium channel NaV1.2 elevates neuronal excitability in adult mice. Cell Reports, 2021, 36, 109495.	2.9	43
987	The zinc finger/RING domain protein Unkempt regulates cognitive flexibility. Scientific Reports, 2021, 11, 16299.	1.6	8
988	Astrocytes regulate ultra-slow arteriole oscillations via stretch-mediated TRPV4-COX-1 feedback. Cell Reports, 2021, 36, 109405.	2.9	28
989	Multi-scale inference of genetic trait architecture using biologically annotated neural networks. PLoS Genetics, 2021, 17, e1009754.	1.5	13
990	Effector differentiation downstream of lineage commitment in ILC1s is driven by Hobit across tissues. Nature Immunology, 2021, 22, 1256-1267.	7.0	55
991	MyD88 is an essential regulator of NK cell-mediated clearance of MCMV infection. Molecular Immunology, 2021, 137, 94-104.	1.0	4
992	Applications of piggyBac Transposons for Genome Manipulation in Stem Cells. Stem Cells International, 2021, 2021, 1-13.	1.2	5
993	Ablation of USP21 in skeletal muscle promotes oxidative fibre phenotype, inhibiting obesity and type 2 diabetes. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1669-1689.	2.9	15
994	Lrrc34 interacts with Oct4 and has an impact on telomere length in mouse Embryonic Stem Cells. Stem Cells and Development, 2021, 30, 1093-1102.	1.1	1
995	Spatial Recruitment of Cardiolipins in Inguinal White Adipose Tissue after Cold Stimulation is Independent of UCP1. European Journal of Lipid Science and Technology, 0, , 2100090.	1.0	2
996	TRAPPC4 regulates the intracellular trafficking of PD-L1 and antitumor immunity. Nature Communications, 2021, 12, 5405.	5.8	28
998	Development and characterization of a mouse model for Acad9 deficiency. Molecular Genetics and Metabolism, 2021, 134, 156-163.	0.5	6
1002	Novel Role of GPR35 (G-Proteinâ€“Coupled Receptor 35) in the Regulation of Endothelial Cell Function and Blood Pressure. Hypertension, 2021, 78, 816-830.	1.3	8
1003	Creatine transporter deficiency impairs stress adaptation and brain energetics homeostasis. JCI Insight, 2021, 6, .	2.3	10
1004	Annotated expression and activity data for murine recombinase alleles and transgenes: the CrePortal resource. Mammalian Genome, 2022, 33, 55-65.	1.0	5
1005	Enhanced Susceptibility of ADAP-Deficient Mice to Listeria monocytogenes Infection Is Associated With an Altered Phagocyte Phenotype and Function. Frontiers in Immunology, 2021, 12, 724855.	2.2	0

#	Article	IF	Citations
1006	The Role of Reproductive Hormones in Sex Differences in Sleep Homeostasis and Arousal Response in Mice. Frontiers in Neuroscience, 2021, 15, 739236.	1.4	12
1007	Studying independent Kcna6 knock-out mice reveals toxicity of exogenous LacZ to central nociceptor terminals and differential effects of Kv1.6 on acute and neuropathic pain sensation. Journal of Neuroscience, 2021, 41, JN-RM-0187-21.	1.7	5
1008	Loss of lysophosphatidic acid receptor 1 in hepatocytes reduces steatosis via down-regulation of CD36. Prostaglandins and Other Lipid Mediators, 2021, 156, 106577.	1.0	3
1009	Ceruloplasmin deletion in myelinating glial cells induces myelin disruption and oxidative stress in the central and peripheral nervous systems. Redox Biology, 2021, 46, 102118.	3.9	7
1010	Inner hair cell dysfunction in Klhl18 mutant mice leads to low frequency progressive hearing loss. PLoS ONE, 2021, 16, e0258158.	1.1	6
1011	RNF144A deficiency promotes PD-L1 protein stabilization and carcinogen-induced bladder tumorigenesis. Cancer Letters, 2021, 520, 344-360.	3.2	12
1012	Genome editing. , 2022, , 339-355.		0
1013	Accelerating functional gene discovery in osteoarthritis. Nature Communications, 2021, 12, 467.	5.8	33
1014	Mammalian Cell Fusion Assays for the Study of Cell Cycle Progression by Functional Complementation. Methods in Molecular Biology, 2021, 2267, 145-157.	0.4	1
1015	Generation and basic characterization of a geneâ€trap knockout mouse model of Scn2a with a substantial reduction of voltageâ€gated sodium channel Na_v1.2 expression. Genes, Brain and Behavior, 2021, 20, e12725.	1.1	17
1016	Generation and validation of a conditional knockout mouse model for desmosterolosis. Journal of Lipid Research, 2021, 62, 100028.	2.0	4
1017	An inducible glycogen synthase-1 knockout halts but does not reverse Lafora disease progression in mice. Journal of Biological Chemistry, 2021, 296, 100150.	1.6	23
1018	Whatâ€™s the Use of Genetics?. Springer Handbook of Auditory Research, 2014, , 569-584.	0.3	5
1019	Overview of Genetic Tools and Techniques to Study Notch Signaling in Mice. Methods in Molecular Biology, 2014, 1187, 47-61.	0.4	7
1020	Generating Mouse Lines for Lineage Tracing and Knockout Studies. Methods in Molecular Biology, 2014, 1194, 37-62.	0.4	7
1021	Generation of Genetically Engineered Mice by the piggyBac Transposon System. Methods in Molecular Biology, 2014, 1194, 171-185.	0.4	5
1022	Modeling Cancer Using Genetically Engineered Mice. Methods in Molecular Biology, 2015, 1267, 3-18.	0.4	7
1023	Modeling the Study of DNA Damage Responses in Mice. Methods in Molecular Biology, 2015, 1267, 413-437.	0.4	12

#	Article	IF	Citations
1024	Identifying Essential Genes in Mouse Development via an ENU-Based Forward Genetic Approach. Methods in Molecular Biology, 2014, 1092, 95-118.	0.4	4
1025	Genetic Manipulation to Analyze Pheromone Responses: Knockouts of Multiple Receptor Genes. Methods in Molecular Biology, 2013, 1068, 133-154.	0.4	1
1026	Gene Targeting in Human-Induced Pluripotent Stem Cells with Adenoviral Vectors. Methods in Molecular Biology, 2014, 1114, 163-167.	0.4	6
1027	Transgenic Mouse Models for Alcohol Metabolism, Toxicity, and Cancer. Advances in Experimental Medicine and Biology, 2015, 815, 375-387.	0.8	22
1028	The Use of Embryonic Stem Cells and Induced Pluripotent Stem Cells to Model Pulmonary Arterial Hypertension. Pancreatic Islet Biology, 2015, , 327-341.	0.1	1
1029	Pediatric Obstructive Uropathy. , 2016, , 1749-1777.		5
1030	SETD5-Coordinated Chromatin Reprogramming Regulates Adaptive Resistance to Targeted Pancreatic Cancer Therapy. Cancer Cell, 2020, 37, 834-849.e13.	7.7	48
1031	Identification of 153 new loci associated with heel bone mineral density and functional involvement of GPC6 in osteoporosis. Nature Genetics, 2017, 49, 1468-1475.	9.4	391
1032	Genome engineering uncovers 54 evolutionarily conserved and testis-enriched genes that are not required for male fertility in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7704-7710.	3.3	134
1033	RCSB Protein Data Bank: powerful new tools for exploring 3D structures of biological macromolecules for basic and applied research and education in fundamental biology, biomedicine, biotechnology, bioengineering and energy sciences. Nucleic Acids Research, 2021, 49, D437-D451.	6.5	918
1034	Permissive and restricted virus infection of murine embryonic stem cells. Journal of General Virology, 2012, 93, 2118-2130.	1.3	18
1067	DUSP11-mediated control of 5â€²-triphosphate RNA regulates RIG-I sensitivity. Genes and Development, 2020, 34, 1697-1712.	2.7	16
1068	Fibroblast-specific deletion of IL-1 receptor-1 reduces adverse cardiac remodeling following myocardial infarction. JCI Insight, 2019, 4, .	2.3	44
1069	Loss of smooth muscle CYB5R3 amplifies angiotensin IIâ€“induced hypertension by increasing sGC heme oxidation. JCI Insight, 2019, 4, .	2.3	39
1070	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. JCI Insight, 2020, 5, .	2.3	44
1071	Alterations in sarcomere function modify the hyperplastic to hypertrophic transition phase of mammalian cardiomyocyte development. JCI Insight, 2017, 2, e90656.	2.3	10
1072	Ca2+-binding protein NECAB2 facilitates inflammatory pain hypersensitivity. Journal of Clinical Investigation, 2018, 128, 3757-3768.	3.9	15
1073	The X-linked histone demethylase Kdm6a in CD4+ T lymphocytes modulates autoimmunity. Journal of Clinical Investigation, 2019, 129, 3852-3863.	3.9	105

#	Article	IF	Citations
1074	Hemolysis transforms liver macrophages into antiinflammatory erythrophagocytes. Journal of Clinical Investigation, 2020, 130, 5576-5590.	3.9	36
1075	Sphingosine-1-phosphate lyase downregulation promotes colon carcinogenesis through STAT3-activated microRNAs. Journal of Clinical Investigation, 2014, 124, 5368-5384.	3.9	130
1076	MLL-AF9â€“ and HOXA9-mediated acute myeloid leukemia stem cell self-renewal requires JMJD1C. Journal of Clinical Investigation, 2016, 126, 997-1011.	3.9	69
1077	MLL4 is required after implantation whereas MLL3 becomes essential during late gestation. Development (Cambridge), 2020, 147, .	1.2	18
1078	From zebrafish heart jogging genes to mouse and human orthologs: using Gene Ontology to investigate mammalian heart development.. F1000Research, 2013, 2, 242.	0.8	7
1079	From zebrafish heart jogging genes to mouse and human orthologs: using Gene Ontology to investigate mammalian heart development.. F1000Research, 2013, 2, 242.	0.8	6
1080	Recent advances in understanding the genetics of sleep. F1000Research, 2020, 9, 214.	0.8	14
1081	FIH Regulates Cellular Metabolism through Hydroxylation of the Deubiquitinase OTUB1. PLoS Biology, 2016, 14, e1002347.	2.6	78
1082	Transcriptome Analysis of Targeted Mouse Mutations Reveals the Topography of Local Changes in Gene Expression. PLoS Genetics, 2016, 12, e1005691.	1.5	28
1083	Mammalian Hbs1L deficiency causes congenital anomalies and developmental delay associated with Pelota depletion and 80S monosome accumulation. PLoS Genetics, 2019, 15, e1007917.	1.5	15
1084	Evaluation of OPEN Zinc Finger Nucleases for Direct Gene Targeting of the ROSA26 Locus in Mouse Embryos. PLoS ONE, 2012, 7, e41796.	1.1	34
1085	Robust and Sensitive Analysis of Mouse Knockout Phenotypes. PLoS ONE, 2012, 7, e52410.	1.1	39
1086	Mcph1-Deficient Mice Reveal a Role for MCPH1 in Otitis Media. PLoS ONE, 2013, 8, e58156.	1.1	36
1087	Stac3 Is a Novel Regulator of Skeletal Muscle Development in Mice. PLoS ONE, 2013, 8, e62760.	1.1	31
1088	C57BL/6N Albino/Agouti Mutant Mice as Embryo Donors for Efficient Germline Transmission of C57BL/6 ES Cells. PLoS ONE, 2014, 9, e90570.	1.1	5
1089	Generation of Ugt1-Deficient Murine Liver Cell Lines Using TALEN Technology. PLoS ONE, 2014, 9, e104816.	1.1	11
1090	Impact of Temporal Variation on Design and Analysis of Mouse Knockout Phenotyping Studies. PLoS ONE, 2014, 9, e111239.	1.1	46
1091	A Conditional Knockout Toolkit for Caenorhabditis elegans Based on the Cre/loxP Recombination. PLoS ONE, 2014, 9, e114680.	1.1	37

#	Article	IF	Citations
1092	Ubiquitin Specific Protease 21 Is Dispensable for Normal Development, Hematopoiesis and Lymphocyte Differentiation. PLoS ONE, 2015, 10, e0117304.	1.1	33
1093	Endothelial Cell Surface Expressed Chemotaxis and Apoptosis Regulator (ECSCR) Regulates Lipolysis in White Adipocytes via the PTEN/AKT Signaling Pathway. PLoS ONE, 2015, 10, e0144185.	1.1	8
1094	A Stem Cell Strategy Identifies Glycophorin C as a Major Erythrocyte Receptor for the Rodent Malaria Parasite Plasmodium berghei. PLoS ONE, 2016, 11, e0158238.	1.1	11
1095	Dual Specificity Phosphatase 5 Is Essential for T Cell Survival. PLoS ONE, 2016, 11, e0167246.	1.1	15
1096	UCHL1 regulates oxidative activity in skeletal muscle. PLoS ONE, 2020, 15, e0241716.	1.1	11
1097	DGKÎ³ Knock-Out Mice Show Impairments in Cerebellar Motor Coordination, LTD, and the Dendritic Development of Purkinje Cells through the Activation of PKCÎ³. ENeuro, 2020, 7, ENEURO.0319-19.2020.	0.9	11
1098	The Nucleosome Remodelling and Deacetylation complex suppresses transcriptional noise during lineage commitment. EMBO Journal, 2019, 38, .	3.5	45
1099	Mylk3null C57BL/6N mice develop cardiomyopathy, whereasNntnull C57BL/6J mice do not. Life Science Alliance, 2020, 3, e201900593.	1.3	24
1100	Advantages of using the CRISPR/Cas9 system of genome editing to investigate male reproductive mechanisms using mouse models. Asian Journal of Andrology, 2015, 17, 623.	0.8	11
1101	Mouse genetics: Catalogue and scissors. BMB Reports, 2012, 45, 686-692.	1.1	28
1102	Rho Guanine Nucleotide Exchange Factor 4 (Arhgef4) Deficiency Enhances Spatial and Object Recognition Memory. Experimental Neurobiology, 2020, 29, 334-343.	0.7	3
1103	A widely employed germ cell marker is an ancient disordered protein with reproductive functions in diverse eukaryotes. ELife, 2016, 5, .	2.8	56
1104	Abelson tyrosine-protein kinase 2 regulates myoblast proliferation and controls muscle fiber length. ELife, 2017, 6, .	2.8	10
1105	Rem2 stabilizes intrinsic excitability and spontaneous firing in visual circuits. ELife, 2018, 7, .	2.8	16
1106	Wnt11 directs nephron progenitor polarity and motile behavior ultimately determining nephron endowment. ELife, 2018, 7, .	2.8	50
1107	Stxbp1/Munc18-1 haploinsufficiency impairs inhibition and mediates key neurological features of STXBP1 encephalopathy. ELife, 2020, 9, .	2.8	42
1108	Rejuvenating conventional dendritic cells and T follicular helper cell formation after vaccination. ELife, 2020, 9, .	2.8	48
1109	TUBB4A mutations result in both glial and neuronal degeneration in an H-ABC leukodystrophy mouse model. ELife, 2020, 9, .	2.8	15

#	Article	IF	Citations
1110	Different neuronal populations mediate inflammatory pain analgesia by exogenous and endogenous opioids. ELife, 2020, 9, .	2.8	29
1111	The novel ciliogenesis regulator DYRK2 governs Hedgehog signaling during mouse embryogenesis. ELife, 2020, 9, .	2.8	25
1112	Synaptotagmin-1 is the Ca2+ sensor for fast striatal dopamine release. ELife, 2020, 9, .	2.8	45
1113	Identification, expression and variation of theGNPDA2gene, and its association with body weight and fatness traits in chicken. PeerJ, 2016, 4, e2129.	0.9	9
1114	Normal spermatogenesis in Fank1 (fibronectin type 3 and ankyrin repeat domains 1) mutant mice. PeerJ, 2019, 7, e6827.	0.9	12
1115	Pediatric Obstructive Uropathy. , 2021, , 1-30.		0
1116	ZNF545 loss promotes ribosome biogenesis and protein translation to initiate colorectal tumorigenesis in mice. Oncogene, 2021, 40, 6590-6600.	2.6	11
1117	ADAR1 restricts ZBP1-mediated immune response and PANoptosis to promote tumorigenesis. Cell Reports, 2021, 37, 109858.	2.9	157
1119	Cell-cell communication through FGF4 generates and maintains robust proportions of differentiated cell types in embryonic stem cells. Development (Cambridge), 2021, 148, .	1.2	22
1120	Tip60 might be a candidate for the acetylation of hepatic carbonic anhydrase I and III in mice. Molecular Biology Reports, 2021, 48, 7397-7404.	1.0	5
1121	Cellular Complexity of Hemochorial Placenta: Stem Cell Populations, Insights from scRNA-seq, and SARS-CoV-2 Susceptibility. Current Stem Cell Reports, 2021, 7, 185-193.	0.7	1
1122	Scutellarin ameliorates neonatal hypoxic-ischemic encephalopathy associated with GAP43-dependent signaling pathway. Chinese Medicine, 2021, 16, 105.	1.6	10
1123	Crim1 and Kelch-like 14 exert complementary dual-directional developmental control over segmentally specific corticospinal axon projection targeting. Cell Reports, 2021, 37, 109842.	2.9	18
1124	The role of mitophagy during oocyte aging in human, mouse, and Drosophila: implications for oocyte quality and mitochondrial disease. Reproduction and Fertility, 2021, 2, R113-R129.	0.6	13
1125	Wdr47, Camsaps, and Katanin cooperate to generate ciliary central microtubules. Nature Communications, 2021, 12, 5796.	5.8	22
1126	Progress towards completing the mutant mouse null resource. Mammalian Genome, 2022, 33, 123-134.	1.0	15
1130	Rapid DNA analysis of malaria-causing parasites. Nature Middle East, 0, , .	0.0	0
1131	Less is More: Enzymes Inspiring the Breakthroughs alongside Shining on Engineered Genes, Genome Editing, and/or Transgenics. Enzyme Engineering, 2012, 01, .	0.3	0

#	Article	IF	Citations
1132	Regulatory Mutations in Human Hereditary Deafness. , 2012, , 137-168.		0
1133	Synthetic Point Mutagenesis. , 0, , .		0
1134	Protein Interactome and Its Application to Protein Function Prediction. , 0, , .		0
1135	Gene Replacement. , 2013, , 167-183.		0
1136	Manipulating the Mouse Genome Using Recombineering. Advancements in Genetic Engineering, 2013, 02, .	0.1	0
1138	The STARD4 Subfamily: STARD4 and STARD5 in Cholesterol Metabolism. , 2014, , 139-171.		0
1139	The Contribution of Reg Family Proteins to Cell Growth and Survival in Pancreatic Islets. , 2014, , 1-30.		2
1140	Epigenetic Mechanisms in Obesity. , 2014, , 143-148.		0
1141	The Contribution of Reg Family Proteins to Cell Growth and Survival in Pancreatic Islets. , 2015, , 955-987.		0
1142	Genome Editing in Mice Using TALENs. , 2015, , 167-182.		0
1143	Molecular characterization, chromosome mapping, and expression profile of porcine CDC16. Genetics and Molecular Research, 2015, 14, 12811-12819.	0.3	0
1145	Computational Phenotype Analysis in Human Medicine. , 2016, , 18-33.		0
1147	Molecular, Cellular, and Animal Experiments in Formaldehyde Study. , 2017, , 245-270.		0
1151	Generation and functional characterization of a conditional Pumilio2 null allele. Journal of Biomedical Research, 2018, 32, 434.	0.7	7
1175	The History of Transgenesis. Methods in Molecular Biology, 2020, 2066, 1-26.	0.4	9
1186	Efficient Production of loxP Knock-in Mouse using CRISPR/Cas9 System. Biomedical Science Letters, 2020, 26, 114-119.	0.0	0
1189	KDM4 Involvement in Breast Cancer and Possible Therapeutic Approaches. Frontiers in Oncology, 2021, 11, 750315.	1.3	17
1191	Mouse Models of Human Proprotein Convertase Insufficiency. Endocrine Reviews, 2021, 42, 259-294.	8.9	12

#	Article	IF	Citations
1192	Differential effects of RASA3 mutations on hematopoiesis are profoundly influenced by genetic background and molecular variant. PLoS Genetics, 2020, 16, e1008857.	1.5	3
1193	Functional and evolutionary analysis of the Arabidopsis 4R-MYB protein SNAPc4 as part of the SNAP complex. Plant Physiology, 2021, 185, 1002-1020.	2.3	9
1194	Planning sleep-related animal and translational research. , 2023, , 603-613.		0
1195	Microglial glutaminase 1 deficiency mitigates neuroinflammation associated depression. Brain, Behavior, and Immunity, 2022, 99, 231-245.	2.0	20
1196	Loss of full-length hnRNP R isoform impairs DNA damage response in motoneurons by inhibiting Yb1 recruitment to chromatin. Nucleic Acids Research, 2021, 49, 12284-12305.	6.5	10
1197	Application of mouse genetics to human disease: generation and analysis of mouse models. , 2020, , 95-108.		0
1202	The dominant-negative mitochondrial calcium uniporter subunit MCUb drives macrophage polarization during skeletal muscle regeneration. Science Signaling, 2021, 14, eabf3838.	1.6	17
1207	Quantitative MRI establishes the efficacy of PI3K inhibitor (GDC-0941) multi-treatments in PTEN-deficient mice lymphoma. Anticancer Research, 2012, 32, 415-20.	0.5	4
1209	Histone lysine demethylase (KDM) subfamily 4: structures, functions and therapeutic potential. American Journal of Translational Research (discontinued), 2013, 6, 1-15.	0.0	84
1210	Bone Research Society, Annual Meeting 2017 Proceedings. 25-27 June 2017, Bristol, UK. Journal of Musculoskeletal Neuronal Interactions, 2018, 18, 108-151.	0.1	1
1211	Cytochrome P450 family proteins as potential biomarkers for ovarian granulosa cell damage in mice with premature ovarian failure. International Journal of Clinical and Experimental Pathology, 2018, 11, 4236-4246.	0.5	1
1212	Modeling Rare Human Disorders in Mice: The Finnish Disease Heritage. Cells, 2021, 10, 3158.	1.8	4
1213	Biallelic truncation variants in ATP9A are associated with a novel autosomal recessive neurodevelopmental disorder. Npj Genomic Medicine, 2021, 6, 94.	1.7	10
1214	Mammalian SWI/SNF chromatin remodeler is essential for reductional meiosis in males. Nature Communications, 2021, 12, 6581.	5.8	9
1215	Myeloid Protease-Activated Receptor-2 Contributes to Influenza A Virus Pathology in Mice. Frontiers in Immunology, 2021, 12, 791017.	2.2	3
1217	Characterization of single nucleotide polymorphisms for a forward genetics approach using genetic crosses in C57BL/6 and BALB/c substrains of mice. Experimental Animals, 2022, 71, 240-251.	0.7	2
1218	Stem Cell-Derived Î² Cells: A Versatile Research Platform to Interrogate the Genetic Basis of Î² Cell Dysfunction. International Journal of Molecular Sciences, 2022, 23, 501.	1.8	4
1219	EXOSC10/Rrp6 is essential for the eight-cell embryo/morula transition. Developmental Biology, 2022, 483, 58-65.	0.9	7

#	Article	IF	Citations
1220	CRLF3 plays a key role in the final stage of platelet genesis and is a potential therapeutic target for thrombocythemia. Blood, 2022, 139, 2227-2239.	0.6	8
1222	Tissue Proteome of 2-Hydroxyacyl-CoA Lyase Deficient Mice Reveals Peroxisome Proliferation and Activation of Ï‰-Oxidation. International Journal of Molecular Sciences, 2022, 23, 987.	1.8	4
1223	Susceptibility to diet-induced obesity at thermoneutral conditions is independent of UCP1. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E85-E100.	1.8	14
1224	Accelerated embryonic stem cell screening with a highly efficient genotyping pipeline. Molecular Biology Reports, 2022, 49, 3281-3288.	1.0	1
1225	Protocol for whole-mount X-gal staining combined with tissue clearing in embryo and adult mouse using CUBIC. STAR Protocols, 2022, 3, 101127.	0.5	0
1226	Heterozygous loss of Dip2B enhances tumor growth and metastasis by altering immune microenvironment. International Immunopharmacology, 2022, 105, 108559.	1.7	3
1227	Slow oscillations persist in pancreatic beta cells lacking phosphofructokinase M. Biophysical Journal, 2022, 121, 692-704.	0.2	9
1229	Network inference with Granger causality ensembles on single-cell transcriptomics. Cell Reports, 2022, 38, 110333.	2.9	53
1230	Worldwide Protein Data Bank (wwPDB): A virtual treasure for research in biotechnology. European Journal of Microbiology and Immunology, 2022, 11, 77-86.	1.5	13
1231	Schwann cell endosome CGRP signals elicit periorbital mechanical allodynia in mice. Nature Communications, 2022, 13, 646.	5.8	57
1232	A Founder Mutation in EHD1 Presents with Tubular Proteinuria and Deafness. Journal of the American Society of Nephrology: JASN, 2022, 33, 732-745.	3.0	7
1234	Stem-like intestinal Th17 cells give rise to pathogenic effector TÂcells during autoimmunity. Cell, 2021, 184, 6281-6298.e23.	13.5	99
1237	Application of the colorimetric loop-mediated isothermal amplification (LAMP) technique for genotyping <i>Cre</i>-driver mice. Journal of Veterinary Medical Science, 2022, 84, .	0.3	0
1239	Inhibition of LDHA to induce eEF2 release enhances thrombocytopoiesis. Blood, 2022, 139, 2958-2971.	0.6	5
1240	Targeted deletion of the RNA-binding protein Caprin1 leads to progressive hearing loss and impairs recovery from noise exposure in mice. Scientific Reports, 2022, 12, 2444.	1.6	6
1241	Regulation of MHC Class I Expression in Lung Epithelial Cells during Inflammation. Journal of Immunology, 2022, 208, 1021-1033.	0.4	4
1242	Normality sensing licenses local T cells for innate-like tissue surveillance. Nature Immunology, 2022, 23, 411-422.	7.0	30
1243	AP-4-mediated axonal transport controls endocannabinoid production in neurons. Nature Communications, 2022, 13, 1058.	5.8	19

#	Article	IF	Citations
1245	OCAâ€Β does not act as a transcriptional coactivator in T cells. Immunology and Cell Biology, 2022, 100, 338-351.	1.0	4
1246	Mechanisms of Feedback Regulation of Vitamin A Metabolism. Nutrients, 2022, 14, 1312.	1.7	18
1248	HMGA1 chromatin regulators induce transcriptional networks involved in GATA2 and proliferation during MPN progression. Blood, 2022, 139, 2797-2815.	0.6	20
1249	Identification and characterisation of spontaneous mutations causing deafness from a targeted knockout programme. BMC Biology, 2022, 20, 67.	1.7	0
1250	Nhlrc2 is crucial during mouse gastrulation. Genesis, 2022, 60, e23470.	0.8	5
1252	Uhrf1 governs the proliferation and differentiation of muscle satellite cells. IScience, 2022, 25, 103928.	1.9	4
1253	Nociceptor-derived Reg3Î³ prevents endotoxic death by targeting kynurenine pathway in microglia. Cell Reports, 2022, 38, 110462.	2.9	6
1255	Biallelic variants in TRAPPC10 cause a microcephalic TRAPPopathy disorder in humans and mice. PLoS Genetics, 2022, 18, e1010114.	1.5	10
1256	14-3-3Î¶ Constrains insulin secretion by regulating mitochondrial function in pancreatic Î² cells. JCI Insight, 2022, 7, .	2.3	11
1257	The non-adrenergic imidazoline-1 receptor protein nischarin is a key regulator of astrocyte glutamate uptake. IScience, 2022, 25, 104127.	1.9	3
1258	Inhibition of renalase drives tumour rejection by promoting T cell activation. European Journal of Cancer, 2022, 165, 81-96.	1.3	2
1259	ViaFuse: Fiji macros to calculate skeletal muscle cell viability and fusion index. Skeletal Muscle, 2021, 11, 28.	1.9	9
1261	Deletions in VANGL1 are a risk factor for antibody-mediated kidney disease. Cell Reports Medicine, 2021, 2, 100475.	3.3	2
1262	GPR180 is a component of TGFÎ² signalling that promotes thermogenic adipocyte function and mediates the metabolic effects of the adipocyte-secreted factor CTHRC1. Nature Communications, 2021, 12, 7144.	5.8	14
1264	Shiftless inhibits flavivirus replication inÂvitro and is neuroprotective in a mouse model of Zika virus pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
1265	Untargeted Metabolomics of Slc13a5 Deficiency Reveal Critical Liverâ€“Brain Axis for Lipid Homeostasis. Metabolites, 2022, 12, 351.	1.3	7
1266	Mouse Mutants of Gpr37 and Gpr37l1 Receptor Genes: Disease Modeling Applications. International Journal of Molecular Sciences, 2022, 23, 4288.	1.8	3
1267	Transcriptome analysis of skin color variation during and after overwintering of Malaysian red tilapia. Fish Physiology and Biochemistry, 2022, 48, 669-682.	0.9	4

#	Article	IF	Citations
1285	Succinate dehydrogenase/complex II is critical for metabolic and epigenetic regulation of T cell proliferation and inflammation. Science Immunology, 2022, 7, eabm8161.	5.6	23
1287	BAP1 shapes the bone marrow niche for lymphopoiesis by fine-tuning epigenetic profiles in endosteal mesenchymal stromal cells. Cell Death and Differentiation, 2022, 29, 2151-2162.	5.0	4
1288	ADAMTS7 Attenuates House Dust Mite-Induced Airway Inflammation and Th2 Immune Responses. Lung, 2022, 200, 305-313.	1.4	1
1289	p62 Promotes Survival and Hepatocarcinogenesis in Mice with Liver-Specific NEMO Ablation. Cancers, 2022, 14, 2436.	1.7	0
1290	GIMAP6 regulates autophagy, immune competence, and inflammation in mice and humans. Journal of Experimental Medicine, 2022, 219, .	4.2	4
1291	Novel role of the synaptic scaffold protein Dlgap4 in ventricular surface integrity and neuronal migration during cortical development. Nature Communications, 2022, 13, 2746.	5.8	4
1292	Birth of mice from meiotically arrested spermatocytes following biparental meiosis in halved oocytes. EMBO Reports, 2022, 23, e54992.	2.0	3
1293	Diacylglycerol kinase epsilon protects against renal ischemia/reperfusion injury in mice through KrÃ¼ppel-like factor 15/klotho pathway. Renal Failure, 2022, 44, 902-913.	0.8	3
1294	Mice heterozygous for a null mutation of CPE show reduced expression of carboxypeptidase e mRNA and enzyme activity but normal physiology, behavior, and levels of neuropeptides. Brain Research, 2022, 1789, 147951.	1.1	1
1295	3R measures in facilities for the production of genetically modified rodents. Lab Animal, 2022, 51, 162-177.	0.2	4
1296	SLC38A10 Knockout Mice Display a Decreased Body Weight and an Increased Risk-Taking Behavior in the Open Field Test. Frontiers in Behavioral Neuroscience, 0, 16, .	1.0	4
1297	Metabolic Profiling of Mice with Deletion of the Orphan G Protein-Coupled Receptor, GPR37L1. Cells, 2022, 11, 1814.	1.8	1
1298	PHACTR1modulates vascular compliance but not endothelial function: a translational study. Cardiovascular Research, 2023, 119, 599-610.	1.8	4
1301	DLX1 and the NuRD complex cooperate in enhancer decommissioning and transcriptional repression. Development (Cambridge), 2022, 149, .	1.2	6
1302	Androglobin, a chimeric mammalian globin, is required for male fertility. ELife, 0, 11, .	2.8	9
1303	Mutations in MINAR2 encoding membrane integral NOTCH2-associated receptor 2 cause deafness in humans and mice. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	3
1304	Centrosome function is critical during terminal erythroid differentiation. EMBO Journal, 2022, 41, .	3.5	7
1305	Vestibular Hair Cells Require CAMSAP3, a Microtubule Minus-End Regulator, for Formation of Normal Kinocilia. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	0

#	Article	IF	Citations
1306	SIRPÎ± Mediates IGF1 Receptor in Cardiomyopathy Induced by Chronic Kidney Disease. Circulation Research, 2022, 131, 207-221.	2.0	7
1307	Possible association of 16p11.2 copy number variation with altered lymphocyte and neutrophil counts. Npj Genomic Medicine, 2022, 7, .	1.7	3
1308	Genetic quality: a complex issue for experimental study reproducibility. Transgenic Research, 2022, 31, 413-430.	1.3	4
1309	SHLD1 is dispensable for 53BP1-dependent V(D)J recombination but critical for productive class switch recombination. Nature Communications, 2022, 13, .	5.8	7
1313	SMYD3 Impedes Small Cell Lung Cancer Sensitivity to Alkylation Damage through RNF113A Methylationâ€“Phosphorylation Cross-talk. Cancer Discovery, 2022, 12, 2158-2179.	7.7	10
1314	A hypomorphic mutation in Pold1 disrupts the coordination of embryo size expansion and morphogenesis during gastrulation. Biology Open, 2022, 11, .	0.6	0
1315	GLS2 Is a Tumor Suppressor and a Regulator of Ferroptosis in Hepatocellular Carcinoma. Cancer Research, 2022, 82, 3209-3222.	0.4	42
1316	Characterization of an intelectin-1 (Itln1) knockout mouse model. Frontiers in Immunology, 0, 13, .	2.2	4
1317	Transcriptional variability accelerates preleukemia by cell diversification and perturbation of protein synthesis. Science Advances, 2022, 8, .	4.7	2
1318	Mammalian Resilience Revealed by a Comparison of Human Diseases and Mouse Models Associated With DNA Helicase Deficiencies. Frontiers in Molecular Biosciences, 0, 9, .	1.6	1
1319	Dock10 Regulates Cardiac Function under Neurohormonal Stress. International Journal of Molecular Sciences, 2022, 23, 9616.	1.8	1
1321	<scp>MRNIP</scp> interacts with sex body chromatin to support meiotic progression, spermatogenesis, and male fertility in mice. FASEB Journal, 2022, 36, .	0.2	3
1322	Deletion of <scp>ATAD3A</scp> inhibits osteogenesis by impairing mitochondria structure and function in preâ€osteoblast. Developmental Dynamics, 2022, 251, 1982-2000.	0.8	1
1323	The mitochondrial calcium uniporter engages UCP1 to form a thermoporter that promotes thermogenesis. Cell Metabolism, 2022, 34, 1325-1341.e6.	7.2	20
1326	The ADP-Ribosylation Factor 4d Restricts Regulatory T-Cell Induction via Control of IL-2 Availability. Cells, 2022, 11, 2639.	1.8	1
1327	IL-2 and IL-15 drive intrathymic development of distinct periphery-seeding CD4+Foxp3+ regulatory T lymphocytes. Frontiers in Immunology, 0, 13, .	2.2	4
1328	Pediatric Obstructive Uropathy. , 2022, , 1369-1398.		2
1329	Transgenic Animal Models and Gene Replacement. , 2022, , .		0

#	Article	IF	Citations
1331	Characterization of Two Mouse Chd7 Heterozygous Loss-of-Function Models Shows Dysgenesis of the Corpus Callosum and Previously Unreported Features of CHARGE Syndrome. International Journal of Molecular Sciences, 2022, 23, 11509.	1.8	2
1332	Collagen (I) homotrimer potentiates the osteogenesis imperfecta (oim) mutant allele and reduces survival in male mice. DMM Disease Models and Mechanisms, 2022, 15, .	1.2	2
1333	Angiotensin type 2 receptor antagonism as a new target to manage gout. Inflammopharmacology, 2022, 30, 2399-2410.	1.9	3
1334	STRAIGHT-IN enables high-throughput targeting of large DNA payloads in human pluripotent stem cells. Cell Reports Methods, 2022, , 100300.	1.4	10
1335	Generation and Characterization of a Novel Angelman Syndrome Mouse Model with a Full Deletion of the Ube3a Gene. Cells, 2022, 11, 2815.	1.8	3
1336	Lack of ZNF365 Drives Senescence and Exacerbates Experimental Lung Fibrosis. Cells, 2022, 11, 2848.	1.8	2
1337	PMCA1 depletion in mouse eggs amplifies calcium signaling and impacts offspring growth. Biology of Reproduction, 0, , .	1.2	2
1339	The structure-selective endonucleases GEN1 and MUS81 mediate complementary functions in safeguarding the genome of proliferating B lymphocytes. ELife, 0, 11, .	2.8	0
1340	GAB functions as a bioenergetic and signalling gatekeeper to control T cell inflammation. Nature Metabolism, 2022, 4, 1322-1335.	5.1	9
1341	X-linked ubiquitin-specific peptidase 11 increases tauopathy vulnerability in women. Cell, 2022, 185, 3913-3930.e19.	13.5	42
1342	The Effect of a Pex3 Mutation on Hearing and Lipid Content of the Inner Ear. Cells, 2022, 11, 3206.	1.8	2
1343	NRSF/REST lies at the intersection between epigenetic regulation, miRNA-mediated gene control and neurodevelopmental pathways associated with Intellectual disability (ID) and Schizophrenia. Translational Psychiatry, 2022, 12, .	2.4	2
1344	Inka2, a novel Pak4 inhibitor, regulates actin dynamics in neuronal development. PLoS Genetics, 2022, 18, e1010438.	1.5	3
1345	A conditional null allele of Dync1h1 enables targeted analyses of dynein roles in neuronal length sensing. Journal of Cell Science, 2023, 136, .	1.2	2
1346	Myeloid- and hepatocyte-specific deletion of group VIA calcium-independent phospholipase A2 leads to dichotomous opposing phenotypes during MCD diet-induced NASH. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2023, 1869, 166590.	1.8	2
1347	A novel variant in <scp>AFF3</scp> underlying isolated syndactyly. Clinical Genetics, 2023, 103, 341-345.	1.0	2
1348	CDON contributes to Hedgehog-dependent patterning and growth of the developing limb. Developmental Biology, 2023, 493, 1-11.	0.9	3
1349	Neuronal signal-regulatory protein alpha drives microglial phagocytosis by limiting microglial interaction with CD47 in the retina. Immunity, 2022, 55, 2318-2335.e7.	6.6	11

#	Article	IF	Citations
1350	Detailed characterizations of cranial nerve anatomy in E14.5 mouse embryos/fetuses and their use as reference for diagnosing subtle, but potentially lethal malformations in mutants. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
1351	PEAR1 regulates expansion of activated fibroblasts and deposition of extracellular matrix in pulmonary fibrosis. Nature Communications, 2022, 13, .	5.8	8
1352	Characterization of a WD-repeat family protein WDR3 in the brain of WDR3 hetero knockout mice. Brain Research, 2023, 1800, 148188.	1.1	0
1353	DOT1L regulates lipid biosynthesis and inflammatory responses in macrophages and promotes atherosclerotic plaque stability. Cell Reports, 2022, 41, 111703.	2.9	2
1354	LZTR1Mutation Mediates Oncogenesis through Stabilization of EGFR and AXL. Cancer Discovery, 2023, 13, 702-723.	7.7	4
1356	TaqMan Multiplex qPCR Method to Genotype PARG Knockout Mice. Methods in Molecular Biology, 2023, , 363-371.	0.4	1
1357	Analysis of genome-wide knockout mouse database identifies candidate ciliopathy genes. Scientific Reports, 2022, 12, .	1.6	2
1358	Genome Editing and Myocardial Development. Advances in Experimental Medicine and Biology, 2023, , 53-73.	0.8	0
1359	<scp>HNF1Î²</scp> â€associated cyst development and electrolyte disturbances are not explained by BAIAP2L2 expression. FASEB Journal, 2023, 37, .	0.2	0
1360	Deubiquitinase catalytic activity of MYSM1 is essential in vivo for hematopoiesis and immune cell development. Scientific Reports, 2023, 13, .	1.6	2
1361	Spatiotemporal gene targeting in the mouse corneal endothelium. Taiwan Journal of Ophthalmology, 2023, 13, 28.	0.3	0
1362	Cornichon protein CNIH4 is not essential for mice gametogenesis and fertility. Developmental Biology, 2023, 496, 15-23.	0.9	0
1363	HERC1 deficiency causes osteopenia through transcriptional program dysregulation during bone remodeling. Cell Death and Disease, 2023, 14, .	2.7	1
1364	Synaptotagmin-1 is a Ca2+ sensor for somatodendritic dopamine release. Cell Reports, 2023, 42, 111915.	2.9	5
1365	Neurobehavioral characteristics of mice with SETD5 mutations as models of IDD23 and KBG syndromes. Frontiers in Genetics, 0, 13, .	1.1	1
1366	Three <scp>KINSSHIP</scp> syndrome patients with mosaic and germline <scp>AFF3</scp> variants. Clinical Genetics, 2023, 103, 590-595.	1.0	1
1367	Protein composition of axonal dopamine release sites in the striatum. ELife, 0, 11, .	2.8	7
1368	T-cell infiltration in the central nervous system and their association with brain calcification in Slc20a2-deficient mice. Frontiers in Molecular Neuroscience, 0, 16, .	1.4	1

#	Article	IF	Citations
1369	Dermal macrophages set pain sensitivity by modulating the amount of tissue NGF through an SNX25â€“Nrf2 pathway. Nature Immunology, 2023, 24, 439-451.	7.0	10
1370	The classical pathway triggers pathogenic complement activation in membranous nephropathy. Nature Communications, 2023, 14, .	5.8	15
1371	Strategies for generation of mice via CRISPR/HDR-mediated knock-in. Molecular Biology Reports, 2023, 50, 3189-3204.	1.0	5
1372	Efficient Detection of Flox Mice Using In Vitro Cre Recombination. Methods in Molecular Biology, 2023, , 149-159.	0.4	0
1373	Ceruloplasminâ€deficient mice show changes in <scp>PTM</scp> profiles of proteins involved in messenger <scp>RNA</scp> processing and neuronal projections and synaptic processes. Journal of Neurochemistry, 2023, 165, 76-94.	2.1	2
1374	Analysis of a genetic region affecting mouse body weight. Physiological Genomics, 2023, 55, 132-146.	1.0	1
1375	CNP Promotes Antiarrhythmic Effects via Phosphodiesterase 2. Circulation Research, 2023, 132, 400-414.	2.0	5
1376	Genetically engineered mouse models of FK506â€binding protein 5. Journal of Cellular Biochemistry, 0, , .	1.2	2
1377	Alterations in ether lipid metabolism and the consequences for the mouse lipidome. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2023, 1868, 159285.	1.2	2
1378	Oleic Acid-Containing Phosphatidylinositol Is a Blood Biomarker Candidate for SPG28. Biomedicines, 2023, 11, 1092.	1.4	0
1379	Characterization of immune responses associated with ERAP-1 expression in HSV-induced BehÃ§et's disease mouse model. Clinical Immunology, 2023, 250, 109305.	1.4	2
1380	Comparative analysis of two new zebrafish models: The cyp1a low-expression line and cyp1a knockout line under PAHs exposure. Gene, 2023, 869, 147391.	1.0	4
1382	Dipeptidylpeptidase 4 promotes survival and stemness of acute myeloid leukemia stem cells. Cell Reports, 2023, 42, 112105.	2.9	1
1383	s-Afadin binds to MAGUIN/Cnksr2 and regulates the localization of the AMPA receptor and glutamatergic synaptic response in hippocampal neurons. Journal of Biological Chemistry, 2023, 299, 103040.	1.6	0
1384	Homozygous Knockout of Cep250 Leads to a Relatively Late-Onset Retinal Degeneration and Sensorineural Hearing Loss in Mice. Translational Vision Science and Technology, 2023, 12, 3.	1.1	2
1385	Defects in placental syncytiotrophoblast cells are a common cause of developmental heart disease. Nature Communications, 2023, 14, .	5.8	10
1386	Nuclear SUN1 stabilizes endothelial cell junctions via microtubules to regulate blood vessel formation. ELife, 0, 12, .	2.8	8
1388	The P-body protein 4E-T represses translation to regulate the balance between cell genesis and establishment of the postnatal NSC pool. Cell Reports, 2023, 42, 112242.	2.9	1

#	Article	IF	Citations
1389	The Evolving Role of Animal Models in the Discovery and Development of Novel Treatments for Psychiatric Disorders. Advances in Neurobiology, 2023, , 37-99.	1.3	1
1390	The emerging roles of lysine-specific demethylase 4A in cancer: Implications in tumorigenesis and therapeutic opportunities. Genes and Diseases, 2024, 11, 645-663.	1.5	2
1391	Hepatic but not Intestinal FBP1 Is Required for Fructose Metabolism and Tolerance. Endocrinology, 2023, 164, .	1.4	2
1392	YWHAE loss of function causes a rare neurodevelopmental disease with brain abnormalities in human and mouse. Genetics in Medicine, 2023, 25, 100835.	1.1	1
1393	Genetic and Molecular Quality Control of Genetically Engineered Mice. Methods in Molecular Biology, 2023, , 53-101.	0.4	0
1394	SLC38A10 Deficiency in Mice Affects Plasma Levels of Threonine and Histidine in Males but Not in Females: A Preliminary Characterization Study of SLC38A10â˜†/â˜† Mice. Genes, 2023, 14, 835.	1.0	1
1397	Lem2 is essential for cardiac development by maintaining nuclear integrity. Cardiovascular Research, 2023, 119, 2074-2088.	1.8	2
1398	POLR1A variants underlie phenotypic heterogeneity in craniofacial, neural, and cardiac anomalies. American Journal of Human Genetics, 2023, 110, 809-825.	2.6	4
1403	Neuro-urology research: a comprehensive overview. , 2023, , 1-28.		0
1437	KDM4 Demethylases: Structure, Function, and Inhibitors. Advances in Experimental Medicine and Biology, 2023, , 87-111.	0.8	0
1472	Genetically modified mice as a tool for the study of human diseases. Molecular Biology Reports, 2024, 51, .	1.0	0