Yann Herault

List of Publications by Year
in descending order

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164 papers	9,878 citations	53794 45 h-index	46799 89 g-index
209 all docs	209 docs citations	209 times ranked	15834 citing authors

#	Article	IF	Citations
1	Overproduction of hydrogen sulfide, generated by cystathionine Î²-synthase, disrupts brain wave patterns and contributes to neurobehavioral dysfunction in a rat model of down syndrome. Redox Biology, 2022, 51, 102233.	9.0	31
2	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy. , 2022, 1, 157-173.		22
3	Behavioral Testing Design for Evaluation of Cognitive Disabilities. Current Protocols, 2022, 2, e382.	2.9	1
4	HRAS germline mutations impair LKB1/AMPK signaling and mitochondrial homeostasis in Costello syndrome models. Journal of Clinical Investigation, 2022, 132, .	8.2	11
5	Structureâ€“Activity Relationship in the Leucettine Family of Kinase Inhibitors. Journal of Medicinal Chemistry, 2022, 65, 1396-1417.	6.4	9
6	Possible association of 16p11.2 copy number variation with altered lymphocyte and neutrophil counts. Npj Genomic Medicine, 2022, 7, .	3.8	3
7	Reliable and robust droplet digital PCR (ddPCR) and RT-ddPCR protocols for mouse studies. Methods, 2021, 191, 95-106.	3.8	19
8	Identifying causative mechanisms linking early-life stress to psycho-cardio-metabolic multi-morbidity: The EarlyCause project. PLoS ONE, 2021, 16, e0245475.	2.5	9
9	Targeting the RHOA pathway improves learning and memory in adult Kctd13 and 16p11.2 deletion mouse models. Molecular Autism, 2021, 12, 1.	4.9	56
10	Multi-influential genetic interactions alter behaviour and cognition through six main biological cascades in Down syndrome mouse models. Human Molecular Genetics, 2021, 30, 771-788.	2.9	24
11	Specific Susceptibility to COVID-19 in Adults with Down Syndrome. NeuroMolecular Medicine, 2021, 23, 561-571.	3.4	30
12	A resource of targeted mutant mouse lines for 5,061 genes. Nature Genetics, 2021, 53, 416-419.	21.4	60
13	Droplet digital PCR or quantitative PCR for in-depth genomic and functional validation of genetically altered rodents. Methods, 2021, 191, 107-119.	3.8	14
14	Pain behavior in SCN9A (Nav1.7) and SCN10A (Nav1.8) mutant rodent models. Neuroscience Letters, 2021, 753, 135844.	2.1	21
15	Immune Dysregulation and the Increased Risk of Complications and Mortality Following Respiratory Tract Infections in Adults With Down Syndrome. Frontiers in Immunology, 2021, 12, 621440.	4.8	26
16	Pathogenesis of Anorectal Malformations in Retinoic Acid Receptor Knockout Mice Studied by HREM. Biomedicines, 2021, 9, 742.	3.2	5
17	High Resolution Episcopic Microscopy for Qualitative and Quantitative Data in Phenotyping Altered Embryos and Adult Mice Using the New â€œHisto3Dâ€•System. Biomedicines, 2021, 9, 767.	3.2	7
18	The effects of Cstb duplication on APP/amyloid-Î² pathology and cathepsin B activity in a mouse model. PLoS ONE, 2021, 16, e0242236.	2.5	3

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19	INFRAFRONTIER quality principles in systemic phenotyping. Mammalian Genome, 2021, , 1.	2.2	3
20	Integrative approach to interpret DYRK1A variants, leading to a frequent neurodevelopmental disorder. Genetics in Medicine, 2021, 23, 2150-2159.	2.4	21
21	Dyrk1a gene dosage in glutamatergic neurons has key effects in cognitive deficits observed in mouse models of MRD7 and Down syndrome. PLoS Genetics, 2021, 17, e1009777.	3.5	20
22	HDAC inhibitor ameliorates behavioral deficits in Mecp2308/y mouse model of Rett syndrome. Brain Research, 2021, 1772, 147670.	2.2	8
23	Building the Future Therapies for Down Syndrome: The Third International Conference of the T21 Research Society. Molecular Syndromology, 2021, 12, 202-218.	0.8	6
24	Dyrk1a from Gene Function in Development and Physiology to Dosage Correction across Life Span in Down Syndrome. Genes, 2021, 12, 1833.	2.4	28
25	ProMetIS, deep phenotyping of mouse models by combined proteomics and metabolomics analysis. Scientific Data, 2021, 8, 311.	5.3	6
26	The Human SCN10AG1662S Point Mutation Established in Mice Impacts on Mechanical, Heat, and Cool Sensitivity. Frontiers in Pharmacology, 2021, 12, 780132.	3.5	5
27	Soft windowing application to improve analysis of high-throughput phenotyping data. Bioinformatics, 2020, 36, 1492-1500.	4.1	9
28	Genetic quality assurance and genetic monitoring of laboratory mice and rats: FELASA Working Group Report. Laboratory Animals, 2020, 54, 135-148.	1.0	29
29	Longâ€lasting correction of in vivo LTP and cognitive deficits of mice modelling Down syndrome with an Î±5â€selective GABA_A inverse agonist. British Journal of Pharmacology, 2020, 177, 1106-1118.	5.4	27
30	Mechanism of cystathionine-Î²-synthase inhibition by disulfiram: The role of bis(N,N-diethyldithiocarbamate)-copper(II). Biochemical Pharmacology, 2020, 182, 114267.	4.4	23
31	Variability in Genome Editing Outcomes: Challenges for Research Reproducibility and Clinical Safety. Molecular Therapy, 2020, 28, 1422-1431.	8.2	34
32	Introduction to Mammalian Genome Special Issue: Epigenetics. Mammalian Genome, 2020, 31, 117-118.	2.2	1
33	BAHD1 haploinsufficiency results in anxiety-like phenotypes in male mice. PLoS ONE, 2020, 15, e0232789.	2.5	7
34	Modeling Down syndrome in animals from the early stage to the 4.0 models and next. Progress in Brain Research, 2020, 251, 91-143.	1.4	22
35	PATHBIO: an international training program for precision mouse phenotyping. Mammalian Genome, 2020, 31, 49-53.	2.2	2
36	High-throughput discovery of genetic determinants of circadian misalignment. PLoS Genetics, 2020, 16, e1008577.	3.5	10

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37	A Small Compound Targeting Prohibitin with Potential Interest for Cognitive Deficit Rescue in Aging mice and Tau Pathology Treatment. Scientific Reports, 2020, 10, 1143.	3.3	21
38	The Deep Genome Project. Genome Biology, 2020, 21, 18.	8.8	30
39	Human and mouse essentiality screens as a resource for disease gene discovery. Nature Communications, 2020, 11, 655.	12.8	64
40	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. PLoS Genetics, 2020, 16, e1009190.	3.5	19
41	Trisomie 21Â: lâ€™espoir dâ€™une thÃ©rapieÂ?. , 2020, NÂ° 118, 14-16.		0
42	214th ENMC International Workshop: Establishing an international consortium for gene discovery and clinical research for Congenital Muscle Disease, Heemskerk, the Netherlands, 6â€“18 October 2015. Neuromuscular Disorders, 2019, 29, 644-650.	0.6	2
43	HENA, heterogeneous network-based data set for Alzheimerâ€™s disease. Scientific Data, 2019, 6, 151.	5.3	34
44	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.	6.2	30
45	Optimizing PCR for Mouse Genotyping: Recommendations for Reliable, Rapid, Cost Effective, Robust and Adaptable to Highâ€Throughput Genotyping Protocol for Any Type of Mutation. Current Protocols in Mouse Biology, 2019, 9, e65.	1.2	20
46	Oligogenic Effects of 16p11.2 Copy-Number Variation on Craniofacial Development. Cell Reports, 2019, 28, 3320-3328.e4.	6.4	34
47	New models for human disease from the International Mouse Phenotyping Consortium. Mammalian Genome, 2019, 30, 143-150.	2.2	57
48	Ultrasoundâ€Guided Approaches to Improve Orthotopic Mouse Xenograft Models for Hepatocellular Carcinoma. Current Protocols in Mouse Biology, 2019, 9, e62.	1.2	2
49	BIN1 recovers tauopathy-induced long-term memory deficits in mice and interacts with Tau through Thr348 phosphorylation. Acta Neuropathologica, 2019, 138, 631-652.	7.7	44
50	TUBG1 missense variants underlying cortical malformations disrupt neuronal locomotion and microtubule dynamics but not neurogenesis. Nature Communications, 2019, 10, 2129.	12.8	17
51	Amphiphysin 2 modulation rescues myotubular myopathy and prevents focal adhesion defects in mice. Science Translational Medicine, 2019, 11, .	12.4	29
52	Prenatal treatment with EGCG enriched green tea extract rescues GAD67 related developmental and cognitive defects in Down syndrome mouse models. Scientific Reports, 2019, 9, 3914.	3.3	35
53	Cbs overdosage is necessary and sufficient to induce cognitive phenotypes in mouse models of Down syndrome and interacts genetically with Dyrk1a. Human Molecular Genetics, 2019, 28, 1561-1577.	2.9	41
54	A new mouse model of ARX dup24 recapitulates the patientsâ€™ behavioral and fine motor alterations. Human Molecular Genetics, 2018, 27, 2138-2153.	2.9	16

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55	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	12.8	59
56	Increased H3K9 methylation and impaired expression of Protocadherins are associated with the cognitive dysfunctions of the Kleefstra syndrome. Nucleic Acids Research, 2018, 46, 4950-4965.	14.5	32
57	Ptchd1 deficiency induces excitatory synaptic and cognitive dysfunctions in mouse. Molecular Psychiatry, 2018, 23, 1356-1367.	7.9	74
58	Nox4 genetic inhibition in experimental hypertension and metabolic syndrome. Archives of Cardiovascular Diseases, 2018, 111, 41-52.	1.6	19
59	Synaptic dysfunction in amygdala in intellectual disorder models. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 84, 392-397.	4.8	10
60	A Population Study of Common Ocular Abnormalities in C57BL/6Nrd8Mice. , 2018, 59, 2252.		31
61	Identification of genes required for eye development by high-throughput screening of mouse knockouts. Communications Biology, 2018, 1, 236.	4.4	37
62	Correction of cognitive deficits in mouse models of Down syndrome by a pharmacological inhibitor of DYRK1A. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	55
63	Hepatocyte SHP deficiency protects mice from acetaminophen-evoked liver injury in a JNK-signaling regulation and GADD45Î²-dependent manner. Archives of Toxicology, 2018, 92, 2563-2572.	4.2	6
64	Translating molecular advances in Down syndrome and Fragile X syndrome into therapies. European Neuropsychopharmacology, 2018, 28, 675-690.	0.7	14
65	Abstract 1296: CanPathProâ€"development of a platform for predictive pathway modelling using genetically engineered mouse models. , 2018, , .		0
66	Efficient and rapid generation of large genomic variants in rats and mice using CRISMERE. Scientific Reports, 2017, 7, 43331.	3.3	62
67	A Fast, Easy, and Customizable Eightâ€Color Flow Cytometric Method for Analysis of the Cellular Content of Bronchoalveolar Lavage Fluid in the Mouse. Current Protocols in Mouse Biology, 2017, 7, 88-99.	1.2	6
68	Rodent models in Down syndrome research: impact and future opportunities. DMM Disease Models and Mechanisms, 2017, 10, 1165-1186.	2.4	149
69	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.	7.1	77
70	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	12.8	116
71	Atp6ap2 ablation in adult mice impairs viability through multiple organ deficiencies. Scientific Reports, 2017, 7, 9618.	3.3	19
72	Preclinical evaluation of polyethylenimine-mediated RNA interference of Polo-Like Kinase 1 gene for ultrasound image-guided treatment of hepatocellular carcinoma. Journal of Hepatology, 2017, 66, S226.	3.7	0

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73	31. Deciphering the Molecular Mechanisms Underlying the 16p11.2 Syndromes using Rodent Models. Biological Psychiatry, 2017, 81, S13-S14.	1.3	0
74	Dual-specificity tyrosine phosphorylation-regulated kinase 1A (DYRK1A) inhibitors: a survey of recent patent literature. Expert Opinion on Therapeutic Patents, 2017, 27, 1183-1199.	5.0	50
75	Introduction to Mammalian Genome Special Issue: Genome Editing. Mammalian Genome, 2017, 28, 235-236.	2.2	0
76	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
77	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. Nature Genetics, 2017, 49, 1231-1238.	21.4	216
78	Modeling human disease in rodents by CRISPR/Cas9 genome editing. Mammalian Genome, 2017, 28, 291-301.	2.2	55
79	Fluorescent nanodiamond tracking reveals intraneuronal transport abnormalities induced by brain-disease-related genetic risk factors. Nature Nanotechnology, 2017, 12, 322-328.	31.5	111
80	Integrated transcriptional analysis unveils the dynamics of cellular differentiation in the developing mouse hippocampus. Scientific Reports, 2017, 7, 18073.	3.3	11
81	Mouse models of 17q21.31 microdeletion and microduplication syndromes highlight the importance of Kansl1 for cognition. PLoS Genetics, 2017, 13, e1006886.	3.5	27
82	DYRK1A, a Dosage-Sensitive Gene Involved in Neurodevelopmental Disorders, Is a Target for Drug Development in Down Syndrome. Frontiers in Behavioral Neuroscience, 2016, 10, 104.	2.0	142
83	Reciprocal Effects on Neurocognitive and Metabolic Phenotypes in Mouse Models of 16p11.2 Deletion and Duplication Syndromes. PLoS Genetics, 2016, 12, e1005709.	3.5	120
84	How Does Circadian Rhythm Impact Salt Sensitivity of Blood Pressure in Mice? A Study in Two Close C57Bl/6 Substrains. PLoS ONE, 2016, 11, e0153472.	2.5	25
85	Fasudil treatment in adult reverses behavioural changes and brain ventricular enlargement in Oligophrenin-1 mouse model of intellectual disability. Human Molecular Genetics, 2016, 25, 2314-2323.	2.9	32
86	Physiological Expression of AMPKÎ³2 Mutation Causes Wolff-Parkinson-White Syndrome and Induces Kidney Injury in Mice. Journal of Biological Chemistry, 2016, 291, 23428-23439.	3.4	25
87	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	27.8	1,001
88	E4F1-mediated control of pyruvate dehydrogenase activity is essential for skin homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11004-11009.	7.1	22
89	The DNA methyltransferase DNMT3C protects male germ cells from transposon activity. Science, 2016, 354, 909-912.	12.6	267
90	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

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91	Altered microtubule dynamics and vesicular transport in mouse and human MeCP2-deficient astrocytes. Human Molecular Genetics, 2016, 25, 146-157.	2.9	53
92	A suppressor locus for MODY3-diabetes. Scientific Reports, 2016, 6, 33087.	3.3	14
93	Erythropoietin recapitulates hemodynamic features of hypoxia-induced pulmonary hypertension in mice. , 2016, , .		0
94	Pharmacological correction of excitation/inhibition imbalance in Down syndrome mouse models. Frontiers in Behavioral Neuroscience, 2015, 9, 267.	2.0	57
95	Dosage of the Abcg1-U2af1 Region Modifies Locomotor and Cognitive Deficits Observed in the Tc1 Mouse Model of Down Syndrome. PLoS ONE, 2015, 10, e0115302.	2.5	16
96	Deletion of the App-Runx1 region in mice models human partial monosomy 21. DMM Disease Models and Mechanisms, 2015, 8, 623-634.	2.4	12
97	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nature Genetics, 2015, 47, 969-978.	21.4	137
98	Opposite Phenotypes of Muscle Strength and Locomotor Function in Mouse Models of Partial Trisomy and Monosomy 21 for the Proximal Hspa13-App Region. PLoS Genetics, 2015, 11, e1005062.	3.5	39
99	Applying the ARRIVE Guidelines to an In Vivo Database. PLoS Biology, 2015, 13, e1002151.	5.6	75
100	Conditional depletion of intellectual disability and Parkinsonism candidate gene ATP6AP2 in fly and mouse induces cognitive impairment and neurodegeneration. Human Molecular Genetics, 2015, 24, 6736-6755.	2.9	64
101	INFRAFRONTIER--providing mutant mouse resources as research tools for the international scientific community. Nucleic Acids Research, 2015, 43, D1171-D1175.	14.5	34
102	LXR-Mediated ABCA1 Expression and Function Are Modulated by High Glucose and PRMT2. PLoS ONE, 2015, 10, e0135218.	2.5	30
103	Cognition and Hippocampal Plasticity in the Mouse Is Altered by Monosomy of a Genomic Region Implicated in Down Syndrome. Genetics, 2014, 197, 899-912.	2.9	18
104	Targeted deletion of kidney glucose-6 phosphatase leads to nephropathy. Kidney International, 2014, 86, 747-756.	5.2	45
105	Dyrk1A induces pancreatic Î² cell mass expansion and improves glucose tolerance. Cell Cycle, 2014, 13, 2221-2229.	2.6	44
106	Skin Progenitor Cells Contribute to Bleomycinâ€Induced Skin Fibrosis. Arthritis and Rheumatology, 2014, 66, 707-713.	5.6	32
107	Epigallocatechinâ€3â€gallate, a DYRK1A inhibitor, rescues cognitive deficits in <scp>D</scp>own syndrome mouse models and in humans. Molecular Nutrition and Food Research, 2014, 58, 278-288.	3.3	234
108	Excitation/inhibition balance and learning are modified by Dyrk1a gene dosage. Neurobiology of Disease, 2014, 69, 65-75.	4.4	104

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109	Domains of genome-wide gene expression dysregulation in Downâ€™s syndrome. Nature, 2014, 508, 345-350.	27.8	298
110	Heterozygous deletion of the Williamsâ€“Beuren syndrome critical interval in mice recapitulates most features of the human disorder. Human Molecular Genetics, 2014, 23, 6481-6494.	2.9	69
111	Developmental molecular and functional cerebellar alterations induced by PCP4/PEP19 overexpression: Implications for Down syndrome. Neurobiology of Disease, 2014, 63, 92-106.	4.4	17
112	Impact of Temporal Variation on Design and Analysis of Mouse Knockout Phenotyping Studies. PLoS ONE, 2014, 9, e111239.	2.5	46
113	Distinct fibroblast lineages determine dermal architecture in skin development and repair. Nature, 2013, 504, 277-281.	27.8	946
114	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. Genome Biology, 2013, 14, R82.	9.6	403
115	Surveying the Down syndrome mouse model resource identifies critical regions responsible for chronic otitis media. Mammalian Genome, 2013, 24, 439-445.	2.2	9
116	DYRK1A overexpression decreases plasma lecithin:cholesterol acyltransferase activity and apolipoprotein A-I levels. Molecular Genetics and Metabolism, 2013, 110, 371-377.	1.1	5
117	FELASA guidelines for the refinement of methods for genotyping genetically-modified rodents. Laboratory Animals, 2013, 47, 134-145.	1.0	32
118	The homeodomain factorGbx1is required for locomotion and cell specification in the dorsal spinal cord. PeerJ, 2013, 1, e142.	2.0	7
119	The App-Runx1 Region Is Critical for Birth Defects and Electrocardiographic Dysfunctions Observed in a Down Syndrome Mouse Model. PLoS Genetics, 2012, 8, e1002724.	3.5	25
120	The in vivo Down syndrome genomic library in mouse. Progress in Brain Research, 2012, 197, 169-197.	1.4	33
121	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.	2.2	133
122	The mammalian gene function resource: the international knockout mouse consortium. Mammalian Genome, 2012, 23, 580-586.	2.2	292
123	Highlyâ€efficient, fluorescent, locus directed cre and FlpO deleter mice on a pure C57BL/6N genetic background. Genesis, 2012, 50, 482-489.	1.6	55
124	DYRK1A: A master regulatory protein controlling brain growth. Neurobiology of Disease, 2012, 46, 190-203.	4.4	128
125	Standardized Postâ€Mortem Examination and Fixation Procedures for Mutant and Treated Mice. Current Protocols in Mouse Biology, 2011, 1, 17-53.	1.2	10
126	The telomeric part of the human chromosome 21 from Cstb to Prmt2 is not necessary for the locomotor and short-term memory deficits observed in the Tc1 mouse model of Down syndrome. Behavioural Brain Research, 2011, 217, 271-281.	2.2	34

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127	Characterization of PTZ-Induced Seizure Susceptibility in a Down Syndrome Mouse Model That Overexpresses CSTB. PLoS ONE, 2011, 6, e27845.	2.5	11
128	Missense Mutation in the Second RNA Binding Domain Reveals a Role for Prkra (PACT/RAX) during Skull Development. PLoS ONE, 2011, 6, e28537.	2.5	13
129	Identification of the translocation breakpoints in the Ts65Dn and Ts1Cje mouse lines: relevance for modeling down syndrome. Mammalian Genome, 2011, 22, 674-684.	2.2	186
130	PCP4 (PEP19) overexpression induces premature neuronal differentiation associated with Ca²⁺/Calmodulinâ€Dependent kinase IIâ€ activation in mouse models of down syndrome. Journal of Comparative Neurology, 2011, 519, 2779-2802.	1.6	39
131	Prmt2 Regulates the Lipopolysaccharide-Induced Responses in Lungs and Macrophages. Journal of Immunology, 2011, 187, 4826-4834.	0.8	19
132	Chronic Treatment with a Promnesiant GABA-A -Selective Inverse Agonist Increases Immediate Early Genes Expression during Memory Processing in Mice and Rectifies Their Expression Levels in a Down Syndrome Mouse Model. Advances in Pharmacological Sciences, 2011, 2011, 1-11.	3.7	51
133	Specific targeting of the GABA-A receptor Î±5 subtype by a selective inverse agonist restores cognitive deficits in Down syndrome mice. Journal of Psychopharmacology, 2011, 25, 1030-1042.	4.0	153
134	Controlled Somatic and Germline Copy Number Variation in the Mouse Model. Current Genomics, 2010, 11, 470-480.	1.6	3
135	EMMA--mouse mutant resources for the international scientific community. Nucleic Acids Research, 2010, 38, D570-D576.	14.5	39
136	Down Syndrome: From Understanding the Neurobiology to Therapy. Journal of Neuroscience, 2010, 30, 14943-14945.	3.6	133
137	EuroPhenome: a repository for high-throughput mouse phenotyping data. Nucleic Acids Research, 2010, 38, D577-D585.	14.5	75
138	Heme Oxygenase-1 Accelerates Cutaneous Wound Healing in Mice. PLoS ONE, 2009, 4, e5803.	2.5	111
139	Aneuploidy: From a Physiological Mechanism of Variance to Down Syndrome. Physiological Reviews, 2009, 89, 887-920.	28.8	106
140	A new mouse model for the trisomy of the Abcg1â€“U2af1 region reveals the complexity of the combinatorial genetic code of down syndrome. Human Molecular Genetics, 2009, 18, 4756-4769.	2.9	101
141	Fork Stalling and Template Switching As a Mechanism for Polyalanine Tract Expansion Affecting the DYC Mutant of HOXD13, a New Murine Model of Synpolydactyly. Genetics, 2009, 183, 23-30.	2.9	17
142	Gene expression signature of cerebellar hypoplasia in a mouse model of Down syndrome during postnatal development. BMC Genomics, 2009, 10, 138.	2.8	50
143	Proliferation deficits and gene expression dysregulation in Down's syndrome (Ts1Cje) neural progenitor cells cultured from neurospheres. Journal of Neuroscience Research, 2009, 87, 3143-3152.	2.9	37
144	DYRK1A, a Novel Determinant of the Methionine-Homocysteine Cycle in Different Mouse Models Overexpressing this Down-Syndrome-Associated Kinase. PLoS ONE, 2009, 4, e7540.	2.5	50

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145	Inducing Segmental Aneuploid Mosaicism in the Mouse Through Targeted Asymmetric Sister Chromatid Event of Recombination. Genetics, 2008, 180, 51-59.	2.9	17
146	Modeling the monosomy for the telomeric part of human chromosome 21 reveals haploinsufficient genes modulating the inflammatory and airway responses. Human Molecular Genetics, 2007, 16, 2040-2052.	2.9	30
147	Cre/loxP-Mediated Chromosome Engineering of the Mouse Genome. Handbook of Experimental Pharmacology, 2007, , 29-48.	1.8	44
148	Proteomic Shifts in Embryonic Stem Cells with Gene Dose Modifications Suggest the Presence of Balancer Proteins in Protein Regulatory Networks. PLoS ONE, 2007, 2, e1218.	2.5	24
149	KIT is required for hepatic function during mouse post-natal development. BMC Developmental Biology, 2007, 7, 81.	2.1	15
150	Modeling Chromosomes in Mouse to Explore the Function of Genes, Genomic Disorders, and Chromosomal Organization. PLoS Genetics, 2006, 2, e86.	3.5	38
151	Training and aging modulate the loss-of-balance phenotype observed in a new ENU-induced allele of Otopetrin1. Biology of the Cell, 2005, 97, 787-798.	2.0	18
152	Genetics of dark skin in mice. Genes and Development, 2003, 17, 214-228.	5.9	124
153	Evolutionary conserved sequences are required for the insulation of the vertebrateHoxdcomplex in neural cells. Development (Cambridge), 2002, 129, 5521-5528.	2.5	36
154	Serial deletions and duplications suggest a mechanism for the collinearity of Hoxd genes in limbs. Nature, 2002, 420, 145-150.	27.8	207
155	A nested deletion approach to generate Cre deleter mice with progressive Hox profiles. International Journal of Developmental Biology, 2002, 46, 185-91.	0.6	6
156	HoxGene Expression in Limbs: Colinearity by Opposite Regulatory Controls. Developmental Biology, 1999, 208, 157-165.	2.0	52
157	Engineering chromosomes in mice through targeted meiotic recombination (TAMERE). Nature Genetics, 1998, 20, 381-384.	21.4	151
158	The Expression of the Avian Clusterin Gene can be Driven by two Alternative Promoters with Distinct Regulatory Elements. FEBS Journal, 1995, 229, 215-223.	0.2	23
159	V-src-induced-transcription of the avian clusterin gene. Nucleic Acids Research, 1992, 20, 6377-6383.	14.5	30
160	The long repetitive polypurine/polypyrimidine sequence (TTCCC)48forms DNA triplex with PU-PU-PY base tripletsin vivo. Nucleic Acids Research, 1992, 20, 439-443.	14.5	37
161	cDNA and predicted amino acid sequences of the human ribosomal protein genes rpSl2 and rpLl7. Nucleic Acids Research, 1991, 19, 4001-4001.	14.5	14
162	BIN1 Genetic Risk Factor for Alzheimer is Sufficient to Induce Early Structural Tract Alterations in Entorhinal-Hippocampal Area and Memory-Related Hippocampal Multi-Scale Impairments. SSRN Electronic Journal, 0, , .	0.4	0

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163	Oligogenic Effects of 16p11.2 Copy Number Variation on Craniofacial Development. SSRN Electronic Journal, 0, , .	0.4	1
164	The Human SCN9AR185H Point Mutation Induces Pain Hypersensitivity and Spontaneous Pain in Mice. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	5