Helmut Fuchs

List of Publications by Year
in descending order

226 papers	14,281 citations	31976 53 h-index	25787 108 g-index
232 all docs	232 docs citations	232 times ranked	24486 citing authors

#	Article	IF	Citations
1	N471D WASH complex subunit strumpellin knockâ€in mice display mild motor and cardiac abnormalities and BPTF and KLHL11 dysregulation in brain tissue. Neuropathology and Applied Neurobiology, 2022, 48, .	3.2	4
2	Animal welfare. , 2022, , 81-111.		0
3	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy. , 2022, 1, 157-173.		22
4	Post-synaptic scaffold protein TANC2 in psychiatric and somatic disease risk. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	3
5	Dietary intervention improves health metrics and life expectancy of the genetically obese Titan mouse. Communications Biology, 2022, 5, 408.	4.4	4
6	Mice lacking the mitochondrial exonuclease MGME1 develop inflammatory kidney disease with glomerular dysfunction. PLoS Genetics, 2022, 18, e1010190.	3.5	9
7	Diabetes type 2 risk gene Dusp8 is associated with altered sucrose reward behavior in mice and humans. Brain and Behavior, 2021, 11, e01928.	2.2	2
8	Ionising radiation causes vision impairment in neonatal B6C3F1 mice. Experimental Eye Research, 2021, 204, 108432.	2.6	3
9	A comprehensive phenotypic characterization of a whole-body Wdr45 knock-out mouse. Mammalian Genome, 2021, 32, 332-349.	2.2	4
10	Disruption of paternal circadian rhythm affects metabolic health in male offspring via nongerm cell factors. Science Advances, 2021, 7, .	10.3	11
11	Creld1 regulates myocardial development and function. Journal of Molecular and Cellular Cardiology, 2021, 156, 45-56.	1.9	11
12	Offspring born to influenza A virus infected pregnant mice have increased susceptibility to viral and bacterial infections in early life. Nature Communications, 2021, 12, 4957.	12.8	25
13	Hyperexcitable interneurons trigger cortical spreading depression in an Scn1a migraine model. Journal of Clinical Investigation, 2021, 131, .	8.2	30
14	Characterising a homozygous twoâ€exon deletion in UQCRH : comparing human and mouse phenotypes. EMBO Molecular Medicine, 2021, 13, e14397.	6.9	5
15	On the Nature of Murine Radiation-Induced Subcapsular Cataracts: Optical Coherence Tomography-Based Fine Classification, In Vivo Dynamics and Impact on Visual Acuity. Radiation Research, 2021, 197, .	1.5	7
16	Spectral domain - Optical coherence tomography (SD-OCT) as a monitoring tool for alterations in mouse lenses. Experimental Eye Research, 2020, 190, 107871.	2.6	13
17	In-depth phenotyping reveals common and novel disease symptoms in a hemizygous knock-in mouse model (Mut-ko/ki) of mut-type methylmalonic aciduria. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165622.	3.8	12
18	Increased estrogen to androgen ratio enhances immunoglobulin levels and impairs B cell function in male mice. Scientific Reports, 2020, 10, 18334.	3.3	12

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19	METTL6 is a tRNA m ³ C methyltransferase that regulates pluripotency and tumor cell growth. Science Advances, 2020, 6, eaaz4551.	10.3	51
20	Murine tissue factor disulfide mutation causes a bleeding phenotype with sex specific organ pathology and lethality. Haematologica, 2020, 105, 2484-2495.	3.5	0
21	Physiological relevance of the neuronal isoform of inositol-1,4,5-trisphosphate 3-kinases in mice. Neuroscience Letters, 2020, 735, 135206.	2.1	3
22	Mutation inBmpr1bLeads to Optic Disc Coloboma and Ventral Retinal Gliosis in Mice. , 2020, 61, 44.		11
23	A comprehensive and comparative phenotypic analysis of the collaborative founder strains identifies new and known phenotypes. Mammalian Genome, 2020, 31, 30-48.	2.2	22
24	Irp2 regulates insulin production through iron-mediated Cdkal1-catalyzed tRNA modification. Nature Communications, 2020, 11, 296.	12.8	48
25	Endogenous FGF21-signaling controls paradoxical obesity resistance of UCP1-deficient mice. Nature Communications, 2020, 11, 624.	12.8	60
26	The rRNA m⁶A methyltransferase METTL5 is involved in pluripotency and developmental programs. Genes and Development, 2020, 34, 715-729.	5.9	93
27	A truncating Aspm allele leads to a complex cognitive phenotype and region-specific reductions in parvalbuminergic neurons. Translational Psychiatry, 2020, 10, 66.	4.8	11
28	Human and mouse essentiality screens as a resource for disease gene discovery. Nature Communications, 2020, 11, 655.	12.8	64
29	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. PLoS Genetics, 2020, 16, e1009190.	3.5	19
30	Costs of Implementing Quality in Research Practice. Handbook of Experimental Pharmacology, 2019, 257, 399-423.	1.8	3
31	Cognitive impairment and autistic-like behaviour in SAPAP4-deficient mice. Translational Psychiatry, 2019, 9, 7.	4.8	13
32	Gain-of-function mutations in a member of the Src family kinases cause autoinflammatory bone disease in mice and humans. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 201819825.	7.1	27
33	Low catalytic activity is insufficient to induce disease pathology in triosephosphate isomerase deficiency. Journal of Inherited Metabolic Disease, 2019, 42, 839-849.	3.6	13
34	Mutation in the mouse histone gene Hist2h3c1 leads to degeneration of the lens vesicle and severe microphthalmia. Experimental Eye Research, 2019, 188, 107632.	2.6	4
35	Dusp8 affects hippocampal size and behavior in mice and humans. Scientific Reports, 2019, 9, 19483.	3.3	5
36	A mouse model for intellectual disability caused by mutations in the X-linked 2â€²â€‘Oâ€‘methyltransferase Ftsj1 gene. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2083-2093.	3.8	17

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37	Alternative oxidaseâ€mediated respiration prevents lethal mitochondrial cardiomyopathy. EMBO Molecular Medicine, 2019, 11, .	6.9	53
38	Crybb2 Mutations Consistently Affect Schizophrenia Endophenotypes in Mice. Molecular Neurobiology, 2019, 56, 4215-4230.	4.0	13
39	Epigenetic alterations in longevity regulators, reduced life span, and exacerbated aging-related pathology in old father offspring mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2348-E2357.	7.1	102
40	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. Scientific Reports, 2018, 8, 5975.	3.3	13
41	Epigallocatechin gallate (EGCG) reduces the intensity of pancreatic amyloid fibrils in human islet amyloid polypeptide (hIAPP) transgenic mice. Scientific Reports, 2018, 8, 1116.	3.3	47
42	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	12.8	59
43	Genetically Controlled Lysosomal Entrapment of Superparamagnetic Ferritin for Multimodal and Multiscale Imaging and Actuation with Low Tissue Attenuation. Advanced Functional Materials, 2018, 28, 1706793.	14.9	15
44	Analysis of locomotor behavior in the German Mouse Clinic. Journal of Neuroscience Methods, 2018, 300, 77-91.	2.5	12
45	Fgf9 Y162C Mutation Alters Information Processing and Social Memory in Mice. Molecular Neurobiology, 2018, 55, 4580-4595.	4.0	11
46	The Role of Fibroblast Growth Factor-Binding Protein 1 in Skin Carcinogenesis and Inflammation. Journal of Investigative Dermatology, 2018, 138, 179-188.	0.7	23
47	Understanding gene functions and disease mechanisms: Phenotyping pipelines in the German Mouse Clinic. Behavioural Brain Research, 2018, 352, 187-196.	2.2	31
48	Male offspring born to mildly ZIKV-infected mice are at risk of developing neurocognitive disorders in adulthood. Nature Microbiology, 2018, 3, 1161-1174.	13.3	24
49	Bacterial encapsulins as orthogonal compartments for mammalian cell engineering. Nature Communications, 2018, 9, 1990.	12.8	88
50	Melanocyte development in the mouse tail epidermis requires the Adamts9 metalloproteinase. Pigment Cell and Melanoma Research, 2018, 31, 693-707.	3.3	17
51	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. PLoS Biology, 2018, 16, e2005019.	5.6	48
52	Streptozotocin-induced Î²-cell damage, high fat diet, and metformin administration regulate Hes3 expression in the adult mouse brain. Scientific Reports, 2018, 8, 11335.	3.3	5
53	RNase H2 Loss in Murine Astrocytes Results in Cellular Defects Reminiscent of Nucleic Acid-Mediated Autoinflammation. Frontiers in Immunology, 2018, 9, 587.	4.8	14
54	The heterozygous R155C VCP mutation: Toxic in humans! Harmless in mice?. Biochemical and Biophysical Research Communications, 2018, 503, 2770-2777.	2.1	9

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55	<scp>RNA</scp> editing of Filamin A preâ€•<scp>mRNA</scp> regulates vascular contraction and diastolic blood pressure. EMBO Journal, 2018, 37, .	7.8	86
56	Mesenchymal TNFR2 promotes the development of polyarthritis and comorbid heart valve stenosis. JCI Insight, 2018, 3, .	5.0	20
57	Broad AOX expression in a genetically tractable mouse model does not disturb normal physiology. DMM Disease Models and Mechanisms, 2017, 10, 163-171.	2.4	46
58	Bezafibrate ameliorates diabetes via reduced steatosis and improved hepatic insulin sensitivity in diabetic TallyHo mice. Molecular Metabolism, 2017, 6, 256-266.	6.5	27
59	Spinal poly-GA inclusions in a C9orf72 mouse model trigger motor deficits and inflammation without neuron loss. Acta Neuropathologica, 2017, 134, 241-254.	7.7	99
60	Serum Response Factor (SRF) Ablation Interferes with Acute Stress-Associated Immediate and Long-Term Coping Mechanisms. Molecular Neurobiology, 2017, 54, 8242-8262.	4.0	12
61	Extensive phenotypic characterization of a new transgenic mouse reveals pleiotropic perturbations in physiology due to mesenchymal hGH minigene expression. Scientific Reports, 2017, 7, 2397.	3.3	2
62	Interplay between H1 and HMGN epigenetically regulates OLIG1&2 expression and oligodendrocyte differentiation. Nucleic Acids Research, 2017, 45, 3031-3045.	14.5	36
63	The <scp>BEACH</scp> protein <scp>LRBA</scp> is required for hair bundle maintenance in cochlear hair cells and for hearing. EMBO Reports, 2017, 18, 2015-2029.	4.5	12
64	Data on the effects of eIF6 downmodulation on the proportions of innate and adaptive immune system cell subpopulations and on thymocyte maturation. Data in Brief, 2017, 14, 653-658.	1.0	2
65	High levels of eukaryotic Initiation Factor 6 (eIF6) are required for immune system homeostasis and for steering the glycolytic flux of TCR-stimulated CD4+ T cells in both mice and humans. Developmental and Comparative Immunology, 2017, 77, 69-76.	2.3	17
66	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. Nature Communications, 2017, 8, 155.	12.8	87
67	Big data in large-scale systemic mouse phenotyping. Current Opinion in Systems Biology, 2017, 4, 97-104.	2.6	4
68	Noncanonical thyroid hormone signaling mediates cardiometabolic effects in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11323-E11332.	7.1	93
69	Female mice lacking Pald1 exhibit endothelial cell apoptosis and emphysema. Scientific Reports, 2017, 7, 15453.	3.3	12
70	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
71	Meis1 effects on motor phenotypes and the sensorimotor system in mice. DMM Disease Models and Mechanisms, 2017, 10, 981-991.	2.4	25
72	04.17â€…Tnf^{Î”}^{are/+}: a multimorbidity model of spondyloarthropathies. , 2017, , .		0

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73	Improved efficacy of allergen-specific immunotherapy by JAK inhibition in a murine model of allergic asthma. PLoS ONE, 2017, 12, e0178563.	2.5	18
74	Standardized, systemic phenotypic analysis reveals kidney dysfunction as main alteration of Kctd1 I27N mutant mice. Journal of Biomedical Science, 2017, 24, 57.	7.0	8
75	Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. Cell, 2016, 167, 843-857.e14.	28.9	153
76	Viable Ednra Y129F mice feature human mandibulofacial dysostosis with alopecia (MFDA) syndrome due to the homologue mutation. Mammalian Genome, 2016, 27, 587-598.	2.2	5
77	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	27.8	1,001
78	Cardioprotection and lifespan extension by the natural polyamine spermidine. Nature Medicine, 2016, 22, 1428-1438.	30.7	801
79	Bezafibrate Improves Insulin Sensitivity and Metabolic Flexibility in STZ-Induced Diabetic Mice. Diabetes, 2016, 65, 2540-2552.	0.6	35
80	Exome sequencing identifies a nonsense mutation in Fam46a associated with bone abnormalities in a new mouse model for skeletal dysplasia. Mammalian Genome, 2016, 27, 111-121.	2.2	27
81	Mildly compromised tetrahydrobiopterin cofactor biosynthesis due to Pts variants leads to unusual body fat distribution and abdominal obesity in mice. Journal of Inherited Metabolic Disease, 2016, 39, 309-319.	3.6	10
82	Liver lipid metabolism is altered by increased circulating estrogen to androgen ratio in male mouse. Journal of Proteomics, 2016, 133, 66-75.	2.4	7
83	Generation and Standardized, Systemic Phenotypic Analysis of Pou3f3L423P Mutant Mice. PLoS ONE, 2016, 11, e0150472.	2.5	14
84	CIP2A Promotes T-Cell Activation and Immune Response to Listeria monocytogenes Infection. PLoS ONE, 2016, 11, e0152996.	2.5	17
85	Sphingomyelin Synthase 1 Is Essential for Male Fertility in Mice. PLoS ONE, 2016, 11, e0164298.	2.5	19
86	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. G3: Genes, Genomes, Genetics, 2016, 6, 4035-4046.	1.8	9
87	Clinical Chemistry Reference Intervals for C57BL/6J, C57BL/6N, and C3HeB/FeJ Mice (Mus musculus). Journal of the American Association for Laboratory Animal Science, 2016, 55, 375-86.	1.2	52
88	<scp>M</scp>i<scp>R</scp>â€34a deficiency accelerates medulloblastoma formation in vivo. International Journal of Cancer, 2015, 136, 2293-2303.	5.1	40
89	Glucose Tolerance Tests for Systematic Screening of Glucose Homeostasis in Mice. Current Protocols in Mouse Biology, 2015, 5, 65-84.	1.2	18
90	Assessing Cognition in Mice. Current Protocols in Mouse Biology, 2015, 5, 331-358.	1.2	61

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91	Conditional Reduction of Adult Born Doublecortin-Positive Neurons Reversibly Impairs Selective Behaviors. Frontiers in Behavioral Neuroscience, 2015, 9, 302.	2.0	25
92	New Mutation in the Mouse Xpd/Ercc2 Gene Leads to Recessive Cataracts. PLoS ONE, 2015, 10, e0125304.	2.5	24
93	MIM-Induced Membrane Bending Promotes Dendritic Spine Initiation. Developmental Cell, 2015, 33, 644-659.	7.0	84
94	Overexpression of the mitochondrial methyltransferase TFB1M in the mouse does not impact mitoribosomal methylation status or hearing. Human Molecular Genetics, 2015, 24, 7286-7294.	2.9	12
95	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
96	Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers. Genome Research, 2015, 25, 1295-1308.	5.5	38
97	Screen for alterations of iron related parameters in N-ethyl-N-nitrosourea-treated mice identified mutant lines with increased plasma ferritin levels. BioMetals, 2015, 28, 293-306.	4.1	3
98	High throughput phenotyping of left and right ventricular cardiomyopathy in calcineurin transgene mice. International Journal of Cardiovascular Imaging, 2015, 31, 669-679.	1.5	2
99	Principles and application of LIMS in mouse clinics. Mammalian Genome, 2015, 26, 467-481.	2.2	6
100	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. Nature Communications, 2015, 6, 8261.	12.8	73
101	Tests for Anxietyâ€Related Behavior in Mice. Current Protocols in Mouse Biology, 2015, 5, 291-309.	1.2	38
102	Cox4i2, Ifit2, and Prdm11 Mutant Mice: Effective Selection of Genes Predisposing to an Altered Airway Inflammatory Response from a Large Compendium of Mutant Mouse Lines. PLoS ONE, 2015, 10, e0134503.	2.5	5
103	Abnormal Brain Iron Metabolism in Irp2 Deficient Mice Is Associated with Mild Neurological and Behavioral Impairments. PLoS ONE, 2014, 9, e98072.	2.5	45
104	Pleiotropic Functions for Transcription Factor Zscan10. PLoS ONE, 2014, 9, e104568.	2.5	16
105	Uromodulin Retention in Thick Ascending Limb of Henle's Loop Affects SCD1 in Neighboring Proximal Tubule: Renal Transcriptome Studies in Mouse Models of Uromodulin-Associated Kidney Disease. PLoS ONE, 2014, 9, e113125.	2.5	3
106	MTO1-Deficient Mouse Model Mirrors the Human Phenotype Showing Complex I Defect and Cardiomyopathy. PLoS ONE, 2014, 9, e114918.	2.5	17
107	A robust and reliable non-invasive test for stress responsivity in mice. Frontiers in Behavioral Neuroscience, 2014, 8, 125.	2.0	70
108	Calcitonin controls bone formation by inhibiting the release of sphingosine 1-phosphate from osteoclasts. Nature Communications, 2014, 5, 5215.	12.8	160

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109	Restless Legs Syndrome-associated intronic common variant in Meis1 alters enhancer function in the developing telencephalon. Genome Research, 2014, 24, 592-603.	5.5	102
110	Endothelial amine oxidase AOC3 transiently contributes to adaptive immune responses in the airways. European Journal of Immunology, 2014, 44, 3232-3239.	2.9	14
111	Mitochondrial Dysfunction and Decrease in Body Weight of a Transgenic Knock-in Mouse Model for TDP-43. Journal of Biological Chemistry, 2014, 289, 10769-10784.	3.4	100
112	Peroxidasin is essential for eye development in the mouse. Human Molecular Genetics, 2014, 23, 5597-5614.	2.9	55
113	Aberrant methylation of t<scp>RNA</scp>s links cellular stress to neuroâ€developmental disorders. EMBO Journal, 2014, 33, 2020-2039.	7.8	490
114	Standardized, systemic phenotypic analysis of Slc12a1 I299F mutant mice. Journal of Biomedical Science, 2014, 21, 68.	7.0	6
115	High-throughput phenotypic assessment of cardiac physiology in four commonly used inbred mouse strains. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2014, 184, 763-775.	1.5	26
116	Clinical Chemistry and Other Laboratory Tests on Mouse Plasma or Serum. Current Protocols in Mouse Biology, 2013, 3, 69-100.	1.2	42
117	Blood Collection from Mice and Hematological Analyses on Mouse Blood. Current Protocols in Mouse Biology, 2013, 3, 101-119.	1.2	23
118	In vitro analysis of bone phenotypes in Col1a1 and Jagged1 mutant mice using a standardized osteoblast cell culture system. Journal of Bone and Mineral Metabolism, 2013, 31, 293-303.	2.7	3
119	SMC6 is an essential gene in mice, but a hypomorphic mutant in the ATPase domain has a mild phenotype with a range of subtle abnormalities. DNA Repair, 2013, 12, 356-366.	2.8	24
120	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. Genome Biology, 2013, 14, R82.	9.6	403
121	Differential Effects of Neurofibromin Gene Dosage on Melanocyte Development. Journal of Investigative Dermatology, 2013, 133, 49-58.	0.7	31
122	Phenotypic comparison of common mouse strains developing high-fat diet-induced hepatosteatosis. Molecular Metabolism, 2013, 2, 435-446.	6.5	57
123	IFIT2 Is an Effector Protein of Type I IFNâ€“Mediated Amplification of Lipopolysaccharide (LPS)-Induced TNF-Î± Secretion and LPS-Induced Endotoxin Shock. Journal of Immunology, 2013, 191, 3913-3921.	0.8	48
124	An ENU Mutagenesis-Derived Mouse Model with a Dominant Jak1 Mutation Resembling Phenotypes of Systemic Autoimmune Disease. American Journal of Pathology, 2013, 183, 352-368.	3.8	24
125	Modeling hepatic osteodystrophy in Abcb4 deficient mice. Bone, 2013, 55, 501-511.	2.9	20
126	Long-term experiment to study the development, interaction, and influencing factors of DEXA parameters. Mammalian Genome, 2013, 24, 376-388.	2.2	5

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127	Type of uromodulin mutation and allelic status influence onset and severity of uromodulin-associated kidney disease in mice. Human Molecular Genetics, 2013, 22, 4148-4163.	2.9	26
128	High Mobility Group N Proteins Modulate the Fidelity of the Cellular Transcriptional Profile in a Tissue- and Variant-specific Manner. Journal of Biological Chemistry, 2013, 288, 16690-16703.	3.4	37
129	Mouse Nuclear Myosin I Knock-Out Shows Interchangeability and Redundancy of Myosin Isoforms in the Cell Nucleus. PLoS ONE, 2013, 8, e61406.	2.5	35
130	Standardized, Systemic Phenotypic Analysis of UmodC93F and UmodA227T Mutant Mice. PLoS ONE, 2013, 8, e78337.	2.5	8
131	A Broad Phenotypic Screen Identifies Novel Phenotypes Driven by a Single Mutant Allele in Huntingtonâ€™s Disease CAG Knock-In Mice. PLoS ONE, 2013, 8, e80923.	2.5	36
132	Rapamycin extends murine lifespan but has limited effects on aging. Journal of Clinical Investigation, 2013, 123, 3272-3291.	8.2	333
133	Novel small-eye allele in paired box gene 6 (Pax6) is caused by a point mutation in intron 7 and creates a new exon. Molecular Vision, 2013, 19, 877-84.	1.1	6
134	Neurobeachin, a Regulator of Synaptic Protein Targeting, Is Associated with Body Fat Mass and Feeding Behavior in Mice and Body-Mass Index in Humans. PLoS Genetics, 2012, 8, e1002568.	3.5	33
135	Prdm5 Regulates Collagen Gene Transcription by Association with RNA Polymerase II in Developing Bone. PLoS Genetics, 2012, 8, e1002711.	3.5	48
136	Srgap3 ^{â€“/â€“} mice present a neurodevelopmental disorder with schizophreniaâ€related intermediate phenotypes. FASEB Journal, 2012, 26, 4418-4428.	0.5	51
137	Cardiopulmonary dysfunction in the Osteogenesis imperfecta mouse model Aga2 and human patients are caused by bone-independent mechanisms. Human Molecular Genetics, 2012, 21, 3535-3545.	2.9	57
138	Cytochromecoxidase subunit 4 isoform 2â€knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. FASEB Journal, 2012, 26, 3916-3930.	0.5	62
139	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. FASEB Journal, 2012, 26, 5081-5091.	0.5	22
140	Innovations in phenotyping of mouse models in the German Mouse Clinic. Mammalian Genome, 2012, 23, 611-622.	2.2	40
141	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
142	Mouse Genetics and Metabolic Mouse Phenotyping. , 2012, , 85-106.		1
143	In Vivo Functional Requirement of the Mouse Ifitm1 Gene for Germ Cell Development, Interferon Mediated Immune Response and Somitogenesis. PLoS ONE, 2012, 7, e44609.	2.5	11
144	New mouse models for metabolic bone diseases generated by genome-wide ENU mutagenesis. Mammalian Genome, 2012, 23, 416-430.	2.2	30

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145	Long-term proteasomal inhibition in transgenic mice by UBB+1 expression results in dysfunction of central respiration control reminiscent of brainstem neuropathology in Alzheimer patients. Acta Neuropathologica, 2012, 124, 187-197.	7.7	33
146	Does enamelin have pleiotropic effects on organs other than the teeth? Lessons from a phenotyping screen of two enamelinâ€mutant mouse lines. European Journal of Oral Sciences, 2012, 120, 269-277.	1.5	6
147	Large-Scale Phenotyping of an Accurate Genetic Mouse Model of JNCL Identifies Novel Early Pathology Outside the Central Nervous System. PLoS ONE, 2012, 7, e38310.	2.5	56
148	The Endocytic Adaptor Eps15 Controls Marginal Zone B Cell Numbers. PLoS ONE, 2012, 7, e50818.	2.5	15
149	The German Mouse Clinic â€“ Running an Open Access Platform. , 2011, , 11-44.		2
150	Mouse phenotyping. Methods, 2011, 53, 120-135.	3.8	128
151	Immune modulation by Fas ligand reverse signaling: lymphocyte proliferation is attenuated by the intracellular Fas ligand domain. Blood, 2011, 117, 519-529.	1.4	26
152	The transcription factor Smad-interacting protein 1 controls pain sensitivity via modulation of DRG neuron excitability. Pain, 2011, 152, 2384-2398.	4.2	18
153	Comparison of particle-exposure triggered pulmonary and systemic inflammation in mice fed with three different diets. Particle and Fibre Toxicology, 2011, 8, 30.	6.2	25
154	A novel Nâ€ethylâ€Nâ€nitrosoureaâ€“induced mutation in phospholipase CÎ³2 causes inflammatory arthritis, metabolic defects, and male infertility in vitro in a murine model. Arthritis and Rheumatism, 2011, 63, 1301-1311.	6.7	43
155	Missing-in-metastasis MIM/MTSS1 promotes actin assembly at intercellular junctions and is required for integrity of kidney epithelia. Journal of Cell Science, 2011, 124, 1245-1255.	2.0	74
156	Requirement of the RNA-editing Enzyme ADAR2 for Normal Physiology in Mice. Journal of Biological Chemistry, 2011, 286, 18614-18622.	3.4	91
157	Toxicity modelling of Plk1-targeted therapies in genetically engineered mice and cultured primary mammalian cells. Nature Communications, 2011, 2, 395.	12.8	76
158	The inner ear phenotype of Volchok (Vlk): An ENU-induced mouse model for CHARGE syndrome. Audiological Medicine, 2010, 8, 110-119.	0.4	4
159	Microphthalmia, parkinsonism, and enhanced nociception in Pitx3 416insG mice. Mammalian Genome, 2010, 21, 13-27.	2.2	36
160	CIN85 regulates dopamine receptor endocytosis and governs behaviour in mice. EMBO Journal, 2010, 29, 2421-2432.	7.8	34
161	Urocortin 3 Modulates Social Discrimination Abilities via Corticotropin-Releasing Hormone Receptor Type 2. Journal of Neuroscience, 2010, 30, 9103-9116.	3.6	83
162	Calcium Oxalate Stone Formation in the Inner Ear as a Result of an Slc26a4 Mutation. Journal of Biological Chemistry, 2010, 285, 21724-21735.	3.4	81

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163	Post-Stroke Inhibition of Induced NADPH Oxidase Type 4 Prevents Oxidative Stress and Neurodegeneration. PLoS Biology, 2010, 8, e1000479.	5.6	377
164	Mutation of the Na+-K+-2Clâ"cotransporter NKCC2 in mice is associated with severe polyuria and a urea-selective concentrating defect without hyperreninemia. American Journal of Physiology - Renal Physiology, 2010, 298, F1405-F1415.	2.7	35
165	Loss of the Actin Remodeler Eps8 Causes Intestinal Defects and Improved Metabolic Status in Mice. PLoS ONE, 2010, 5, e9468.	2.5	50
166	A NewFgf10Mutation in the Mouse Leads to Atrophy of the Harderian Gland and Slit-Eye Phenotype in Heterozygotes: A Novel Model for Dry-Eye Disease?. , 2009, 50, 4311.		14
167	Dll1 Haploinsufficiency in Adult Mice Leads to a Complex Phenotype Affecting Metabolic and Immunological Processes. PLoS ONE, 2009, 4, e6054.	2.5	17
168	Clinical Chemistry of Congenic Mice with Quantitative Trait Loci for Predicted Responses to Trypanosoma congolense Infection. Infection and Immunity, 2009, 77, 3948-3957.	2.2	7
169	Characterization of Phospholipase CÎ³ Enzymes with Gain-of-Function Mutations. Journal of Biological Chemistry, 2009, 284, 23083-23093.	3.4	58
170	Neuronal 3â€²,3,5-Triiodothyronine (T₃) Uptake and Behavioral Phenotype of Mice Deficient inMct8, the Neuronal T₃Transporter Mutated in Allanâ€“Herndonâ€“Dudley Syndrome. Journal of Neuroscience, 2009, 29, 9439-9449.	3.6	172
171	Expression Pattern of G Protein-Coupled Receptor 30 in LacZ Reporter Mice. Endocrinology, 2009, 150, 1722-1730.	2.8	161
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