Valerie Gailus-Durner

List of Publications by Year
in descending order

158 papers	9,375 citations	53794 45 h-index	48315 88 g-index
161 all docs	161 docs citations	161 times ranked	18414 citing authors

#	Article	IF	Citations
1	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	27.8	1,001
2	Cardioprotection and lifespan extension by the natural polyamine spermidine. Nature Medicine, 2016, 22, 1428-1438.	30.7	801
3	A Humanized Version of Foxp2 Affects Cortico-Basal Ganglia Circuits in Mice. Cell, 2009, 137, 961-971.	28.9	555
4	Aberrant methylation of t<scp>RNA</scp>s links cellular stress to neuroâ€developmental disorders. EMBO Journal, 2014, 33, 2020-2039.	7.8	490
5	Post-Stroke Inhibition of Induced NADPH Oxidase Type 4 Prevents Oxidative Stress and Neurodegeneration. PLoS Biology, 2010, 8, e1000479.	5.6	377
6	Rapamycin extends murine lifespan but has limited effects on aging. Journal of Clinical Investigation, 2013, 123, 3272-3291.	8.2	333
7	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. Nature Genetics, 2017, 49, 1231-1238.	21.4	216
8	Sum1 and Hst1 repress middle sporulation-specific gene expression during mitosis in Saccharomyces cerevisiae. EMBO Journal, 1999, 18, 6448-6454.	7.8	189
9	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. Nature Methods, 2005, 2, 403-404.	19.0	176
10	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
11	Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. Cell, 2016, 167, 843-857.e14.	28.9	153
12	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
13	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
14	Mouse phenotyping. Methods, 2011, 53, 120-135.	3.8	128
15	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
16	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
17	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
18	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

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19	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
20	The rRNA m⁶A methyltransferase METTL5 is involved in pluripotency and developmental programs. Genes and Development, 2020, 34, 715-729.	5.9	93
21	Generation and Characterization of dickkopf3 Mutant Mice. Molecular and Cellular Biology, 2006, 26, 2317-2326.	2.3	92
22	Requirement of the RNA-editing Enzyme ADAR2 for Normal Physiology in Mice. Journal of Biological Chemistry, 2011, 286, 18614-18622.	3.4	91
23	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. Nature Communications, 2017, 8, 155.	12.8	87
24	<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
25	MIM-Induced Membrane Bending Promotes Dendritic Spine Initiation. Developmental Cell, 2015, 33, 644-659.	7.0	84
26	Urocortin 3 Modulates Social Discrimination Abilities via Corticotropin-Releasing Hormone Receptor Type 2. Journal of Neuroscience, 2010, 30, 9103-9116.	3.6	83
27	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
28	MFAP4 Promotes Vascular Smooth Muscle Migration, Proliferation and Accelerates Neointima Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 122-133.	2.4	72
29	A robust and reliable non-invasive test for stress responsivity in mice. Frontiers in Behavioral Neuroscience, 2014, 8, 125.	2.0	70
30	Systemic First-Line Phenotyping. Methods in Molecular Biology, 2009, 530, 463-509.	0.9	70
31	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. Cell Metabolism, 2017, 26, 620-632.e6.	16.2	66
32	Human and mouse essentiality screens as a resource for disease gene discovery. Nature Communications, 2020, 11, 655.	12.8	64
33	Sex-Dependent Susceptibility to Listeria monocytogenes Infection Is Mediated by Differential Interleukin-10 Production. Infection and Immunity, 2005, 73, 5952-5960.	2.2	63
34	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
35	Assessing Cognition in Mice. Current Protocols in Mouse Biology, 2015, 5, 331-358.	1.2	61
36	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	12.8	59

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37	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
38	Phenotypic comparison of common mouse strains developing high-fat diet-induced hepatosteatosis. Molecular Metabolism, 2013, 2, 435-446.	6.5	57
39	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
40	Peroxidasin is essential for eye development in the mouse. Human Molecular Genetics, 2014, 23, 5597-5614.	2.9	55
41	Calcium-dependent blood-brain barrier breakdown by NOX5 limits postreperfusion benefit in stroke. Journal of Clinical Investigation, 2019, 129, 1772-1778.	8.2	55
42	Alternative oxidaseâ€mediated respiration prevents lethal mitochondrial cardiomyopathy. EMBO Molecular Medicine, 2019, 11, .	6.9	53
43	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
44	Electroretinography as a Screening Method for Mutations Causing Retinal Dysfunction in Mice. , 2004, 45, 601.		51
45	Srgap3 ^{â€“/â€“} mice present a neurodevelopmental disorder with schizophreniaâ€related intermediate phenotypes. FASEB Journal, 2012, 26, 4418-4428.	0.5	51
46	METTL6 is a tRNA m ³ C methyltransferase that regulates pluripotency and tumor cell growth. Science Advances, 2020, 6, eaaz4551.	10.3	51
47	Loss of the Actin Remodeler Eps8 Causes Intestinal Defects and Improved Metabolic Status in Mice. PLoS ONE, 2010, 5, e9468.	2.5	50
48	Mechanisms Controlling Anaemia in Trypanosoma congolense Infected Mice. PLoS ONE, 2009, 4, e5170.	2.5	49
49	Prdm5 Regulates Collagen Gene Transcription by Association with RNA Polymerase II in Developing Bone. PLoS Genetics, 2012, 8, e1002711.	3.5	48
50	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
51	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. PLoS Biology, 2018, 16, e2005019.	5.6	48
52	Irp2 regulates insulin production through iron-mediated Cdkal1-catalyzed tRNA modification. Nature Communications, 2020, 11, 296.	12.8	48
53	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
54	First Pass Annotation of Promoters on Human Chromosome 22. Genome Research, 2001, 11, 333-340.	5.5	45

#	Article	IF	Citations
55	Abnormal Brain Iron Metabolism in Irp2 Deficient Mice Is Associated with Mild Neurological and Behavioral Impairments. PLoS ONE, 2014, 9, e98072.	2.5	45
56	Integration of mouse phenome data resources. Mammalian Genome, 2007, 18, 157-163.	2.2	44
57	A novel Nâ€ethylâ€Nâ€nitrosoureaâ€“induced mutation in phospholipase Cî²2 causes inflammatory arthritis, metabolic defects, and male infertility in vitro in a murine model. Arthritis and Rheumatism, 2011, 63, 1301-1311.	6.7	43
58	Clinical Chemistry and Other Laboratory Tests on Mouse Plasma or Serum. Current Protocols in Mouse Biology, 2013, 3, 69-100.	1.2	42
59	Introduction to the EQIPD quality system. ELife, 2021, 10, .	6.0	42
60	Innovations in phenotyping of mouse models in the German Mouse Clinic. Mammalian Genome, 2012, 23, 611-622.	2.2	40
61	<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
62	Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers. Genome Research, 2015, 25, 1295-1308.	5.5	38
63	Tests for Anxietyâ€Related Behavior in Mice. Current Protocols in Mouse Biology, 2015, 5, 291-309.	1.2	38
64	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
65	Microphthalmia, parkinsonism, and enhanced nociception in Pitx3 416insG mice. Mammalian Genome, 2010, 21, 13-27.	2.2	36
66	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
67	Interplay between H1 and HMGN epigenetically regulates OLIG1&2 expression and oligodendrocyte differentiation. Nucleic Acids Research, 2017, 45, 3031-3045.	14.5	36
68	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
69	CIN85 regulates dopamine receptor endocytosis and governs behaviour in mice. EMBO Journal, 2010, 29, 2421-2432.	7.8	34
70	Deciphering the Plasma Proteome of Type 2 Diabetes. Diabetes, 2020, 69, 2766-2778.	0.6	34
71	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
72	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

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73	Systematic, standardized and comprehensive neurological phenotyping of inbred mice strains in the German Mouse Clinic. Journal of Neuroscience Methods, 2006, 157, 82-90.	2.5	32
74	Understanding gene functions and disease mechanisms: Phenotyping pipelines in the German Mouse Clinic. Behavioural Brain Research, 2018, 352, 187-196.	2.2	31
75	Hyperexcitable interneurons trigger cortical spreading depression in an Scn1a migraine model. Journal of Clinical Investigation, 2021, 131, .	8.2	30
76	Systematic gene expression profiling of mouse model series reveals coexpressed genes. Proteomics, 2008, 8, 1248-1256.	2.2	28
77	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
78	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
79	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
80	Conditional Reduction of Adult Born Doublecortin-Positive Neurons Reversibly Impairs Selective Behaviors. Frontiers in Behavioral Neuroscience, 2015, 9, 302.	2.0	25
81	Meis1 effects on motor phenotypes and the sensorimotor system in mice. DMM Disease Models and Mechanisms, 2017, 10, 981-991.	2.4	25
82	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
83	The mouse Trm1-like gene is expressed in neural tissues and plays a role in motor coordination and exploratory behaviour. Gene, 2007, 389, 174-185.	2.2	24
84	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
85	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
86	Blood Collection from Mice and Hematological Analyses on Mouse Blood. Current Protocols in Mouse Biology, 2013, 3, 101-119.	1.2	23
87	INFRAFRONTIER: a European resource for studying the functional basis of human disease. Mammalian Genome, 2016, 27, 445-450.	2.2	23
88	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
89	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. FASEB Journal, 2012, 26, 5081-5091.	0.5	22
90	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

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91	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy. , 2022, 1, 157-173.		22
92	Modeling hepatic osteodystrophy in Abcb4 deficient mice. Bone, 2013, 55, 501-511.	2.9	20
93	Mesenchymal TNFR2 promotes the development of polyarthritis and comorbid heart valve stenosis. JCI Insight, 2018, 3, .	5.0	20
94	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. PLoS Genetics, 2020, 16, e1009190.	3.5	19
95	Sphingomyelin Synthase 1 Is Essential for Male Fertility in Mice. PLoS ONE, 2016, 11, e0164298.	2.5	19
96	Glucose Tolerance Tests for Systematic Screening of Glucose Homeostasis in Mice. Current Protocols in Mouse Biology, 2015, 5, 65-84.	1.2	18
97	Improved efficacy of allergen-specific immunotherapy by JAK inhibition in a murine model of allergic asthma. PLoS ONE, 2017, 12, e0178563.	2.5	18
98	Experimental data of a single promoter can be used for in silico detection of genes with related regulation in the absence of sequence similarity. Mammalian Genome, 2001, 12, 67-72.	2.2	17
99	Dll1 Haploinsufficiency in Adult Mice Leads to a Complex Phenotype Affecting Metabolic and Immunological Processes. PLoS ONE, 2009, 4, e6054.	2.5	17
100	MTO1-Deficient Mouse Model Mirrors the Human Phenotype Showing Complex I Defect and Cardiomyopathy. PLoS ONE, 2014, 9, e114918.	2.5	17
101	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
102	CIP2A Promotes T-Cell Activation and Immune Response to Listeria monocytogenes Infection. PLoS ONE, 2016, 11, e0152996.	2.5	17
103	Power matters in closing the phenotyping gap. Die Naturwissenschaften, 2007, 94, 401-406.	1.6	16
104	Pleiotropic Functions for Transcription Factor Zscan10. PLoS ONE, 2014, 9, e104568.	2.5	16
105	The Endocytic Adaptor Eps15 Controls Marginal Zone B Cell Numbers. PLoS ONE, 2012, 7, e50818.	2.5	15
106	Endothelial amine oxidase AOC3 transiently contributes to adaptive immune responses in the airways. European Journal of Immunology, 2014, 44, 3232-3239.	2.9	14
107	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
108	Generation and Standardized, Systemic Phenotypic Analysis of Pou3f3L423P Mutant Mice. PLoS ONE, 2016, 11, e0150472.	2.5	14

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109	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. Scientific Reports, 2018, 8, 5975.	3.3	13
110	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
111	Crybb2 Mutations Consistently Affect Schizophrenia Endophenotypes in Mice. Molecular Neurobiology, 2019, 56, 4215-4230.	4.0	13
112	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
113	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
114	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
115	Female mice lacking Pald1 exhibit endothelial cell apoptosis and emphysema. Scientific Reports, 2017, 7, 15453.	3.3	12
116	Analysis of locomotor behavior in the German Mouse Clinic. Journal of Neuroscience Methods, 2018, 300, 77-91.	2.5	12
117	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
118	Increased estrogen to androgen ratio enhances immunoglobulin levels and impairs B cell function in male mice. Scientific Reports, 2020, 10, 18334.	3.3	12
119	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
120	Fgf9 Y162C Mutation Alters Information Processing and Social Memory in Mice. Molecular Neurobiology, 2018, 55, 4580-4595.	4.0	11
121	Disruption of paternal circadian rhythm affects metabolic health in male offspring via nongerm cell factors. Science Advances, 2021, 7, .	10.3	11
122	Creld1 regulates myocardial development and function. Journal of Molecular and Cellular Cardiology, 2021, 156, 45-56.	1.9	11
123	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
124	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
125	The heterozygous R155C VCP mutation: Toxic in humans! Harmless in mice?. Biochemical and Biophysical Research Communications, 2018, 503, 2770-2777.	2.1	9
126	Soft windowing application to improve analysis of high-throughput phenotyping data. Bioinformatics, 2020, 36, 1492-1500.	4.1	9

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127	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. G3: Genes, Genomes, Genetics, 2016, 6, 4035-4046.	1.8	9
128	Mice lacking the mitochondrial exonuclease MGME1 develop inflammatory kidney disease with glomerular dysfunction. PLoS Genetics, 2022, 18, e1010190.	3.5	9
129	Standardized, Systemic Phenotypic Analysis of UmodC93F and UmodA227T Mutant Mice. PLoS ONE, 2013, 8, e78337.	2.5	8
130	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
131	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
132	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
133	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
134	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
135	Principles and application of LIMS in mouse clinics. Mammalian Genome, 2015, 26, 467-481.	2.2	6
136	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
137	Long-term experiment to study the development, interaction, and influencing factors of DEXA parameters. Mammalian Genome, 2013, 24, 376-388.	2.2	5
138	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
139	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
140	Dusp8 affects hippocampal size and behavior in mice and humans. Scientific Reports, 2019, 9, 19483.	3.3	5
141	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
142	Characterising a homozygous twoâ€exon deletion in UQCRH : comparing human and mouse phenotypes. EMBO Molecular Medicine, 2021, 13, e14397.	6.9	5
143	Big data in large-scale systemic mouse phenotyping. Current Opinion in Systems Biology, 2017, 4, 97-104.	2.6	4
144	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

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145	A comprehensive phenotypic characterization of a whole-body Wdr45 knock-out mouse. Mammalian Genome, 2021, 32, 332-349.	2.2	4
146	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
147	Dietary intervention improves health metrics and life expectancy of the genetically obese Titan mouse. Communications Biology, 2022, 5, 408.	4.4	4
148	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
149	Costs of Implementing Quality in Research Practice. Handbook of Experimental Pharmacology, 2019, 257, 399-423.	1.8	3
150	Physiological relevance of the neuronal isoform of inositol-1,4,5-trisphosphate 3-kinases in mice. Neuroscience Letters, 2020, 735, 135206.	2.1	3
151	Ionising radiation causes vision impairment in neonatal B6C3F1 mice. Experimental Eye Research, 2021, 204, 108432.	2.6	3
152	Post-synaptic scaffold protein TANC2 in psychiatric and somatic disease risk. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	3
153	Metabolic phenotyping of mouse mutants in the German Mouse Clinic. Integrative Zoology, 2006, 1, 122-125.	2.6	2
154	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
155	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
156	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
157	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
158	Murine tissue factor disulfide mutation causes a bleeding phenotype with sex specific organ pathology and lethality. Haematologica, 2020, 105, 2484-2495.	3.5	0