

Martin Hrabe de Angelis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

685
papers

46,033
citations

98
h-index

196
g-index

740
ext. papers

56,176
ext. citations

9.3
avg, IF

6.53
L-index

#	Paper	IF	Citations
685	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015 , 518, 197-206	50.4	2687
684	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013 , 45, 1274-1283	36.3	1904
683	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. <i>Nature Genetics</i> , 2012 , 44, 981-90	36.3	1482
682	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014 , 46, 1173-86	36.3	1339
681	Notch signalling controls pancreatic cell differentiation. <i>Nature</i> , 1999 , 400, 877-81	50.4	980
680	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015 , 518, 187-196	50.4	920
679	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. <i>Nature Genetics</i> , 2014 , 46, 234-44	36.3	784
678	Human metabolic individuality in biomedical and pharmaceutical research. <i>Nature</i> , 2011 , 477, 54-60	50.4	728
677	The genetic architecture of type 2 diabetes. <i>Nature</i> , 2016 , 536, 41-47	50.4	704
676	Identification of serum metabolites associated with risk of type 2 diabetes using a targeted metabolomic approach. <i>Diabetes</i> , 2013 , 62, 639-48	0.9	634
675	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , 2012 , 44, 991-1005	36.3	621
674	High-throughput discovery of novel developmental phenotypes. <i>Nature</i> , 2016 , 537, 508-514	50.4	608
673	Genome-wide, large-scale production of mutant mice by ENU mutagenesis. <i>Nature Genetics</i> , 2000 , 25, 444-7	36.3	578
672	Mutations in dynein link motor neuron degeneration to defects in retrograde transport. <i>Science</i> , 2003 , 300, 808-12	33.3	577
671	Maintenance of somite borders in mice requires the Delta homologue Dll1. <i>Nature</i> , 1997 , 386, 717-21	50.4	570
670	Genetics meets metabolomics: a genome-wide association study of metabolite profiles in human serum. <i>PLoS Genetics</i> , 2008 , 4, e1000282	6	538
669	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016 , 22, 1428-1438	50.5	532

668	A genome-wide perspective of genetic variation in human metabolism. <i>Nature Genetics</i> , 2010 , 42, 137-413	6.3	515
667	Novel biomarkers for pre-diabetes identified by metabolomics. <i>Molecular Systems Biology</i> , 2012 , 8, 615	12.2	468
666	A humanized version of Foxp2 affects cortico-basal ganglia circuits in mice. <i>Cell</i> , 2009 , 137, 961-71	56.2	427
665	Metabolic footprint of diabetes: a multiplatform metabolomics study in an epidemiological setting. <i>PLoS ONE</i> , 2010 , 5, e13953	3.7	425
664	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. <i>Diabetes</i> , 2017 , 66, 2888-2902	29.02	414
663	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017 , 542, 186-190	50.4	412
662	Cyclooxygenase-2 controls energy homeostasis in mice by de novo recruitment of brown adipocytes. <i>Science</i> , 2010 , 328, 1158-61	33.3	355
661	Aberrant methylation of tRNAs links cellular stress to neuro-developmental disorders. <i>EMBO Journal</i> , 2014 , 33, 2020-39	13	331
660	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2018 , 14, 140-162	15.2	330
659	Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. <i>Science</i> , 2016 , 351, 1166-71	33.3	325
658	Post-stroke inhibition of induced NADPH oxidase type 4 prevents oxidative stress and neurodegeneration. <i>PLoS Biology</i> , 2010 , 8, e1000479	9.7	324
657	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017 , 49, 1758-1766	17.66	310
656	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <i>Nature Genetics</i> , 2015 , 47, 1415-25	36.3	292
655	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. <i>Genome Biology</i> , 2013 , 14, R82	18.3	288
654	Ribosomal mutations cause p53-mediated dark skin and pleiotropic effects. <i>Nature Genetics</i> , 2008 , 40, 963-70	36.3	285
653	Cytoplasmic thioredoxin reductase is essential for embryogenesis but dispensable for cardiac development. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1980-8	4.8	283
652	Multi-ethnic genome-wide association study for atrial fibrillation. <i>Nature Genetics</i> , 2018 , 50, 1225-1233	36.3	277
651	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3272-91	15.9	267

650	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. <i>Nature Genetics</i> , 2016 , 48, 1171-1184	36.3	251
649	An ENU-induced mutation of miR-96 associated with progressive hearing loss in mice. <i>Nature Genetics</i> , 2009 , 41, 614-8	36.3	249
648	The mammalian gene function resource: the International Knockout Mouse Consortium. <i>Mammalian Genome</i> , 2012 , 23, 580-6	3.2	230
647	The impact of low-frequency and rare variants on lipid levels. <i>Nature Genetics</i> , 2015 , 47, 589-97	36.3	229
646	Gene targeting by homologous recombination in mouse zygotes mediated by zinc-finger nucleases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15022-6	11.5	229
645	Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. <i>Nature Genetics</i> , 2015 , 47, 1294-1303	36.3	226
644	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. <i>Nature Genetics</i> , 2015 , 47, 1282-1293	36.3	223
643	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. <i>PLoS Medicine</i> , 2017 , 14, e1002383	11.6	223
642	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018 , 50, 559-571	36.3	221
641	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015 , 11, e1005378	6	220
640	Interaction between Notch signalling and Lunatic fringe during somite boundary formation in the mouse. <i>Current Biology</i> , 1999 , 9, 470-80	6.3	216
639	Mitochondrial glutathione peroxidase 4 disruption causes male infertility. <i>FASEB Journal</i> , 2009 , 23, 3233-42	6.3	212
638	Epigenetic germline inheritance of diet-induced obesity and insulin resistance. <i>Nature Genetics</i> , 2016 , 48, 497-9	36.3	211
637	Beethoven, a mouse model for dominant, progressive hearing loss DFNA36. <i>Nature Genetics</i> , 2002 , 30, 257-8	36.3	207
636	Delta-Notch signaling controls the generation of neurons/glia from neural stem cells in a stepwise process. <i>Development (Cambridge)</i> , 2003 , 130, 1391-402	6.6	206
635	Targeted estrogen delivery reverses the metabolic syndrome. <i>Nature Medicine</i> , 2012 , 18, 1847-56	50.5	201
634	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , 2014 , 46, 826-36	36.3	199
633	FMT-XCT: in vivo animal studies with hybrid fluorescence molecular tomography-X-ray computed tomography. <i>Nature Methods</i> , 2012 , 9, 615-20	21.6	192

632	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018 , 50, 26-41	36.3	186
631	Modulation of the notch signaling by Mash1 and Dlx1/2 regulates sequential specification and differentiation of progenitor cell types in the subcortical telencephalon. <i>Development (Cambridge)</i> , 2002 , 129, 5029-5040	6.6	184
630	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. <i>Nature Genetics</i> , 2019 , 51, 804-814	36.3	181
629	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , 2016 , 48, 1151-1161	36.3	181
628	The Notch ligand Jagged1 is required for inner ear sensory development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 3873-8	11.5	180
627	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. <i>Nature Genetics</i> , 2017 , 49, 946-952	36.3	176
626	The European dimension for the mouse genome mutagenesis program. <i>Nature Genetics</i> , 2004 , 36, 925-7	36.3	176
625	Expression of Delta1 and Serrate1 (Jagged1) in the mouse inner ear. <i>Mechanisms of Development</i> , 1999 , 84, 169-72	1.7	176
624	Effects of G-protein mutations on skin color. <i>Nature Genetics</i> , 2004 , 36, 961-8	36.3	170
623	Towards frailty biomarkers: Candidates from genes and pathways regulated in aging and age-related diseases. <i>Ageing Research Reviews</i> , 2018 , 47, 214-277	12	160
622	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005 , 2, 403-4	21.6	148
621	Inflammation and mitochondrial fatty acid beta-oxidation link obesity to early tumor promotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3354-9	11.5	147
620	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 823-836	15.1	146
619	Fibroblast Growth Factor 21-Metabolic Role in Mice and Men. <i>Endocrine Reviews</i> , 2017 , 38, 468-488	27.2	146
618	6 Somitogenesis. <i>Current Topics in Developmental Biology</i> , 1997 , 225-287	5.3	146
617	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. <i>Nature Genetics</i> , 2017 , 49, 1231-1238	36.3	145
616	Neuronal 3,5-triiodothyronine (T3) uptake and behavioral phenotype of mice deficient in Mct8, the neuronal T3 transporter mutated in Allan-Herndon-Dudley syndrome. <i>Journal of Neuroscience</i> , 2009 , 29, 9439-49	6.6	143
615	Expression pattern of G protein-coupled receptor 30 in LacZ reporter mice. <i>Endocrinology</i> , 2009 , 150, 1722-30	4.8	143

614	Targeted disruption of the Walker-Warburg syndrome gene <i>Pomt1</i> in mouse results in embryonic lethality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14126-31	11.5	133
613	Oscillating expression of <i>c-Hey2</i> in the presomitic mesoderm suggests that the segmentation clock may use combinatorial signaling through multiple interacting bHLH factors. <i>Developmental Biology</i> , 2000 , 227, 91-103	3.1	133
612	Prevalence of sexual dimorphism in mammalian phenotypic traits. <i>Nature Communications</i> , 2017 , 8, 15475-4	5.4	130
611	EMPreSS: standardized phenotype screens for functional annotation of the mouse genome. <i>Nature Genetics</i> , 2005 , 37, 1155	36.3	130
610	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. <i>Nature</i> , 2019 , 570, 71-76	50.4	129
609	Effects of ENU dosage on mouse strains. <i>Mammalian Genome</i> , 2000 , 11, 484-8	3.2	128
608	Calcitonin controls bone formation by inhibiting the release of sphingosine 1-phosphate from osteoclasts. <i>Nature Communications</i> , 2014 , 5, 5215	17.4	127
607	Direct production of mouse disease models by embryo microinjection of TALENs and oligodeoxynucleotides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 3782-7	11.5	122
606	Rare variants in <i>PPARG</i> with decreased activity in adipocyte differentiation are associated with increased risk of type 2 diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13127-32	11.5	121
605	Autoimmunity and inflammation due to a gain-of-function mutation in phospholipase C gamma 2 that specifically increases external Ca ²⁺ entry. <i>Immunity</i> , 2005 , 22, 451-65	32.3	121
604	Mouse large-scale phenotyping initiatives: overview of the European Mouse Disease Clinic (EUMODIC) and of the Wellcome Trust Sanger Institute Mouse Genetics Project. <i>Mammalian Genome</i> , 2012 , 23, 600-10	3.2	116
603	Dominant-negative effects of a novel mutated <i>Ins2</i> allele causes early-onset diabetes and severe beta-cell loss in Munich <i>Ins2</i> C95S mutant mice. <i>Diabetes</i> , 2007 , 56, 1268-76	0.9	116
602	Loss of mitochondrial peptidase <i>Clpp</i> leads to infertility, hearing loss plus growth retardation via accumulation of CLPX, mtDNA and inflammatory factors. <i>Human Molecular Genetics</i> , 2013 , 22, 4871-87	5.6	114
601	Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. <i>Cell</i> , 2016 , 167, 843-857.e14	56.2	114
600	ER stress-mediated apoptosis in a new mouse model of osteogenesis imperfecta. <i>PLoS Genetics</i> , 2008 , 4, e7	6	111
599	Genetics of dark skin in mice. <i>Genes and Development</i> , 2003 , 17, 214-28	12.6	110
598	Post-publication sharing of data and tools. <i>Nature</i> , 2009 , 461, 171-3	50.4	109
597	Secretome profiling of primary human skeletal muscle cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 1011-7	4	107

596	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , 2015 , 47, 969-978	36.3	106
595	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017 , 8, 14977	17.4	105
594	Neuroprotection after stroke by targeting NOX4 as a source of oxidative stress. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 1418-27	8.4	105
593	Steroids in teleost fishes: A functional point of view. <i>Steroids</i> , 2015 , 103, 123-44	2.8	104
592	Mouse phenotyping. <i>Methods</i> , 2011 , 53, 120-35	4.6	103
591	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , 2017 , 13, e1006528	6	103
590	Novel genetic markers associate with atrial fibrillation risk in Europeans and Japanese. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1200-1210	15.1	102
589	Sequence interpretation. Functional annotation of mouse genome sequences. <i>Science</i> , 2001 , 291, 1251-53.3	33.3	101
588	The power of gene-based rare variant methods to detect disease-associated variation and test hypotheses about complex disease. <i>PLoS Genetics</i> , 2015 , 11, e1005165	6	98
587	Leveraging cross-species transcription factor binding site patterns: from diabetes risk loci to disease mechanisms. <i>Cell</i> , 2014 , 156, 343-58	56.2	96
586	Common variants at 12q15 and 12q24 are associated with infant head circumference. <i>Nature Genetics</i> , 2012 , 44, 532-538	36.3	94
585	Acute dietary fat intake initiates alterations in energy metabolism and insulin resistance. <i>Journal of Clinical Investigation</i> , 2017 , 127, 695-708	15.9	93
584	Cytokine response of primary human myotubes in an in vitro exercise model. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 305, C877-86	5.4	88
583	Distinct signatures of host-microbial meta-metabolome and gut microbiome in two C57BL/6 strains under high-fat diet. <i>ISME Journal</i> , 2014 , 8, 2380-96	11.9	87
582	Zebrafish and steroids: what do we know and what do we need to know?. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 137, 165-73	5.1	85
581	ADAMTS-7 inhibits re-endothelialization of injured arteries and promotes vascular remodeling through cleavage of thrombospondin-1. <i>Circulation</i> , 2015 , 131, 1191-201	16.7	84
580	Genome-wide association study of kidney function decline in individuals of European descent. <i>Kidney International</i> , 2015 , 87, 1017-29	9.9	83
579	Towards better mouse models: enhanced genotypes, systemic phenotyping and envirotypes modelling. <i>Nature Reviews Genetics</i> , 2009 , 10, 371-80	30.1	83

578	Node and midline defects are associated with left-right development in Delta1 mutant embryos. <i>Development (Cambridge)</i> , 2003 , 130, 3-13	6.6	83
577	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. <i>Nature Communications</i> , 2017 , 8, 886	17.4	81
576	Large scale ENU screens in the mouse: genetics meets genomics. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998 , 400, 25-32	3.3	80
575	Restless legs syndrome-associated intronic common variant in Meis1 alters enhancer function in the developing telencephalon. <i>Genome Research</i> , 2014 , 24, 592-603	9.7	79
574	Roquin Suppresses the PI3K-mTOR Signaling Pathway to Inhibit T Helper Cell Differentiation and Conversion of Treg to Tfr Cells. <i>Immunity</i> , 2017 , 47, 1067-1082.e12	32.3	78
573	A genomic approach to therapeutic target validation identifies a glucose-lowering GLP1R variant protective for coronary heart disease. <i>Science Translational Medicine</i> , 2016 , 8, 341ra76	17.5	77
572	Circulating lysophosphatidylcholines are markers of a metabolically benign nonalcoholic fatty liver. <i>Diabetes Care</i> , 2013 , 36, 2331-8	14.6	77
571	Generation and characterization of dickkopf3 mutant mice. <i>Molecular and Cellular Biology</i> , 2006 , 26, 2317-26	14.8	77
570	Identification and functional characterization of G6PC2 coding variants influencing glycemic traits define an effector transcript at the G6PC2-ABCB11 locus. <i>PLoS Genetics</i> , 2015 , 11, e1004876	6	76
569	Effects of metformin on metabolite profiles and LDL cholesterol in patients with type 2 diabetes. <i>Diabetes Care</i> , 2015 , 38, 1858-67	14.6	76
568	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1435-1448	15.1	76
567	Novel multiple sclerosis susceptibility loci implicated in epigenetic regulation. <i>Science Advances</i> , 2016 , 2, e1501678	14.3	75
566	Mitochondrial dysfunction and decrease in body weight of a transgenic knock-in mouse model for TDP-43. <i>Journal of Biological Chemistry</i> , 2014 , 289, 10769-10784	5.4	72
565	Creatine improves health and survival of mice. <i>Neurobiology of Aging</i> , 2008 , 29, 1404-11	5.6	72
564	Identification of coexpressed gene clusters in a comparative analysis of transcriptome and proteome in mouse tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8621-6	11.5	71
563	Common genetic variation in the human FNDC5 locus, encoding the novel muscle-derived fibronectin type 3 domain containing 5 protein, determines insulin sensitivity. <i>PLoS ONE</i> , 2013 , 8, e61903	3.7	71
562	Spinal poly-GA inclusions in a C9orf72 mouse model trigger motor deficits and inflammation without neuron loss. <i>Acta Neuropathologica</i> , 2017 , 134, 241-254	14.3	70
561	Urocortin 3 modulates social discrimination abilities via corticotropin-releasing hormone receptor type 2. <i>Journal of Neuroscience</i> , 2010 , 30, 9103-16	6.6	69

560	Androgen metabolism via 17beta-hydroxysteroid dehydrogenase type 3 in mammalian and non-mammalian vertebrates: comparison of the human and the zebrafish enzyme. <i>Journal of Molecular Endocrinology</i> , 2005 , 35, 305-16	4.5	69
559	Peri-conceptual obesogenic exposure induces sex-specific programming of disease susceptibilities in adult mouse offspring. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 304-17	6.9	68
558	Large-scale genome-wide analysis identifies genetic variants associated with cardiac structure and function. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1798-1812	15.9	68
557	Pathophysiology-based subphenotyping of individuals at elevated risk for type 2 diabetes. <i>Nature Medicine</i> , 2021 , 27, 49-57	50.5	68
556	Toxicity modelling of Plk1-targeted therapies in genetically engineered mice and cultured primary mammalian cells. <i>Nature Communications</i> , 2011 , 2, 395	17.4	67
555	Expression of the mouse Delta1 gene during organogenesis and fetal development. <i>Mechanisms of Development</i> , 1999 , 84, 165-8	1.7	67
554	Systemic first-line phenotyping. <i>Methods in Molecular Biology</i> , 2009 , 530, 463-509	1.4	67
553	EuroPhenome: a repository for high-throughput mouse phenotyping data. <i>Nucleic Acids Research</i> , 2010 , 38, D577-85	20.1	66
552	A Myo6 mutation destroys coordination between the myosin heads, revealing new functions of myosin VI in the stereocilia of mammalian inner ear hair cells. <i>PLoS Genetics</i> , 2008 , 4, e1000207	6	66
551	Exome-wide association study reveals novel susceptibility genes to sporadic dilated cardiomyopathy. <i>PLoS ONE</i> , 2017 , 12, e0172995	3.7	66
550	Epigenetic alterations in longevity regulators, reduced life span, and exacerbated aging-related pathology in old father offspring mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2348-E2357	11.5	65
549	Osteopontin deficiency protects against obesity-induced hepatic steatosis and attenuates glucose production in mice. <i>Diabetologia</i> , 2011 , 54, 2132-42	10.3	65
548	Requirement of the RNA-editing enzyme ADAR2 for normal physiology in mice. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18614-22	5.4	64
547	The dominant alopecia phenotypes Bareskin, Rex-denuded, and Reduced Coat 2 are caused by mutations in gasdermin 3. <i>Genomics</i> , 2004 , 84, 824-35	4.3	62
546	Calcium oxalate stone formation in the inner ear as a result of an Slc26a4 mutation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21724-35	5.4	61
545	The redox environment triggers conformational changes and aggregation of hIAPP in Type II Diabetes. <i>Scientific Reports</i> , 2017 , 7, 44041	4.9	60
544	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. <i>Nature Communications</i> , 2015 , 6, 8261	17.4	60
543	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <i>Nature Communications</i> , 2017 , 8, 155	17.4	60

542	Large-scale cis- and trans-eQTL analyses identify thousands of genetic loci and polygenic scores that regulate blood gene expression. <i>Nature Genetics</i> , 2021 , 53, 1300-1310	36.3	60
541	Type 2 diabetes alters metabolic and transcriptional signatures of glucose and amino acid metabolism during exercise and recovery. <i>Diabetologia</i> , 2015 , 58, 1845-54	10.3	59
540	Discovery and Fine-Mapping of Glycaemic and Obesity-Related Trait Loci Using High-Density Imputation. <i>PLoS Genetics</i> , 2015 , 11, e1005230	6	59
539	DJ-1-deficient mice show less TH-positive neurons in the ventral tegmental area and exhibit non-motoric behavioural impairments. <i>Genes, Brain and Behavior</i> , 2010 , 9, 305-17	3.6	59
538	Missing-in-metastasis MIM/MTSS1 promotes actin assembly at intercellular junctions and is required for integrity of kidney epithelia. <i>Journal of Cell Science</i> , 2011 , 124, 1245-55	5.3	59
537	Efficient isolation of pure and functional mitochondria from mouse tissues using automated tissue disruption and enrichment with anti-TOM22 magnetic beads. <i>PLoS ONE</i> , 2013 , 8, e82392	3.7	59
536	Mutation in the betaA3/A1-crystallin encoding gene Cryba1 causes a dominant cataract in the mouse. <i>Genomics</i> , 1999 , 62, 67-73	4.3	58
535	Applying the ARRIVE Guidelines to an In Vivo Database. <i>PLoS Biology</i> , 2015 , 13, e1002151	9.7	56
534	MFAP4 Promotes Vascular Smooth Muscle Migration, Proliferation and Accelerates Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 122-33	9.4	56
533	Identification of biomarkers for apoptosis in cancer cell lines using metabolomics: tools for individualized medicine. <i>Journal of Internal Medicine</i> , 2013 , 274, 425-39	10.8	56
532	Distinct regulatory elements direct delta1 expression in the nervous system and paraxial mesoderm of transgenic mice. <i>Mechanisms of Development</i> , 2000 , 95, 23-34	1.7	55
531	Modeling disease mutations by gene targeting in one-cell mouse embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9354-9	11.5	54
530	Fibroblast growth factor 21 is elevated in metabolically unhealthy obesity and affects lipid deposition, adipogenesis, and adipokine secretion of human abdominal subcutaneous adipocytes. <i>Molecular Metabolism</i> , 2015 , 4, 519-27	8.8	53
529	Noncanonical thyroid hormone signaling mediates cardiometabolic effects in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E11323-E11332	11.5	53
528	Cytochrome c oxidase subunit 4 isoform 2-knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. <i>FASEB Journal</i> , 2012 , 26, 3916-30	0.9	53
527	Functional inactivation of the genome-wide association study obesity gene neuronal growth regulator 1 in mice causes a body mass phenotype. <i>PLoS ONE</i> , 2012 , 7, e41537	3.7	53
526	The novel mouse mutation Oblivion inactivates the PMCA2 pump and causes progressive hearing loss. <i>PLoS Genetics</i> , 2008 , 4, e1000238	6	53
525	Profiling at mRNA, protein, and metabolite levels reveals alterations in renal amino acid handling and glutathione metabolism in kidney tissue of Pept2 ^{-/-} mice. <i>Physiological Genomics</i> , 2007 , 28, 301-10	3.6	53

524	N-acyl Taurines and Acylcarnitines Cause an Imbalance in Insulin Synthesis and Secretion Provoking β Cell Dysfunction in Type 2 Diabetes. <i>Cell Metabolism</i> , 2017 , 25, 1334-1347.e4	24.6	52
523	SLIRP Regulates the Rate of Mitochondrial Protein Synthesis and Protects LRPPRC from Degradation. <i>PLoS Genetics</i> , 2015 , 11, e1005423	6	52
522	MIM-Induced Membrane Bending Promotes Dendritic Spine Initiation. <i>Developmental Cell</i> , 2015 , 33, 644-652	5.2	52
521	Conductivity of single-stranded and double-stranded deoxyribose nucleic acid under ambient conditions: The dominance of water. <i>Applied Physics Letters</i> , 2006 , 88, 102102	3.4	52
520	Variations of eye size parameters among different strains of mice. <i>Mammalian Genome</i> , 2006 , 17, 851-7	3.2	52
519	Oxalate-induced chronic kidney disease with its uremic and cardiovascular complications in C57BL/6 mice. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, F785-F795	4.3	51
518	Hyperoxaluria Requires TNF Receptors to Initiate Crystal Adhesion and Kidney Stone Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 761-768	12.7	51
517	Bacterial encapsulins as orthogonal compartments for mammalian cell engineering. <i>Nature Communications</i> , 2018 , 9, 1990	17.4	51
516	Genetic loci associated with heart rate variability and their effects on cardiac disease risk. <i>Nature Communications</i> , 2017 , 8, 15805	17.4	50
515	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. <i>Cell Metabolism</i> , 2017 , 26, 620-632.e6	24.6	50
514	Calcineurin Links Mitochondrial Elongation with Energy Metabolism. <i>Cell Metabolism</i> , 2015 , 22, 838-50	24.6	50
513	Neuronal expression of glucosylceramide synthase in central nervous system regulates body weight and energy homeostasis. <i>PLoS Biology</i> , 2013 , 11, e1001506	9.7	50
512	Characterization of phospholipase C gamma enzymes with gain-of-function mutations. <i>Journal of Biological Chemistry</i> , 2009 , 284, 23083-93	5.4	50
511	Signs of the principle body axes prior to primitive streak formation in the rabbit embryo. <i>Anatomy and Embryology</i> , 1995 , 192, 159-69		50
510	Expression of Tas1 taste receptors in mammalian spermatozoa: functional role of Tas1r1 in regulating basal Ca^{2+} and cAMP concentrations in spermatozoa. <i>PLoS ONE</i> , 2012 , 7, e32354	3.7	50
509	A robust and reliable non-invasive test for stress responsivity in mice. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 125	3.5	49
508	Transcriptome and proteome analysis of early embryonic mouse brain development. <i>Proteomics</i> , 2008 , 8, 1257-65	4.8	49
507	Sex-dependent susceptibility to <i>Listeria monocytogenes</i> infection is mediated by differential interleukin-10 production. <i>Infection and Immunity</i> , 2005 , 73, 5952-60	3.7	49

506	Large-scale phenotyping of an accurate genetic mouse model of JNCL identifies novel early pathology outside the central nervous system. <i>PLoS ONE</i> , 2012 , 7, e38310	3.7	49
505	Association of Atopic Dermatitis with Cardiovascular Risk Factors and Diseases. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 1074-1081	4.3	48
504	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , 2018 , 9, 288	17.4	48
503	A hypomorphic mutation in the Gfi1 transcriptional repressor results in a novel form of neutropenia. <i>European Journal of Immunology</i> , 2012 , 42, 2395-408	6.1	48
502	Pink1-deficiency in mice impairs gait, olfaction and serotonergic innervation of the olfactory bulb. <i>Experimental Neurology</i> , 2012 , 235, 214-27	5.7	48
501	The clinical-chemical screen in the Munich ENU Mouse Mutagenesis Project: screening for clinically relevant phenotypes. <i>Mammalian Genome</i> , 2000 , 11, 543-6	3.2	48
500	Removing the bottlenecks of cell culture metabolomics: fast normalization procedure, correlation of metabolites to cell number, and impact of the cell harvesting method. <i>Metabolomics</i> , 2016 , 12, 151	4.7	47
499	Domain-specific control of neurogenesis achieved through patterned regulation of Notch ligand expression. <i>Development (Cambridge)</i> , 2010 , 137, 437-45	6.6	47
498	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. <i>Nature Communications</i> , 2016 , 7, 13357	17.4	46
497	Identification and validation of novel ERBB2 (HER2, NEU) targets including genes involved in angiogenesis. <i>International Journal of Cancer</i> , 2005 , 114, 590-7	7.5	46
496	Characterization of a mutation in the lens-specific MP70 encoding gene of the mouse leading to a dominant cataract. <i>Experimental Eye Research</i> , 2001 , 73, 867-76	3.7	46
495	The rRNA mA methyltransferase METTL5 is involved in pluripotency and developmental programs. <i>Genes and Development</i> , 2020 , 34, 715-729	12.6	45
494	High-throughput extraction and quantification method for targeted metabolomics in murine tissues. <i>Metabolomics</i> , 2018 , 14, 18	4.7	45
493	Rare and low-frequency variants and their association with plasma levels of fibrinogen, FVII, FVIII, and vWF. <i>Blood</i> , 2015 , 126, e19-29	2.2	45
492	The German Mouse Clinic: a platform for systemic phenotype analysis of mouse models. <i>Current Pharmaceutical Biotechnology</i> , 2009 , 10, 236-43	2.6	45
491	Meta-analysis of up to 622,409 individuals identifies 40 novel smoking behaviour associated genetic loci. <i>Molecular Psychiatry</i> , 2020 , 25, 2392-2409	15.1	45
490	Phenotypic comparison of common mouse strains developing high-fat diet-induced hepatosteatosis. <i>Molecular Metabolism</i> , 2013 , 2, 435-46	8.8	44
489	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , 2019 , 51, 452-469	36.3	44

488	The International Mouse Phenotyping Consortium (IMPC): a functional catalogue of the mammalian genome that informs conservation. <i>Conservation Genetics</i> , 2018 , 19, 995-1005	2.6	44
487	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. <i>Nature Communications</i> , 2019 , 10, 4130	17.4	43
486	The elevation of circulating fibroblast growth factor 23 without kidney disease does not increase cardiovascular disease risk. <i>Kidney International</i> , 2018 , 94, 49-59	9.9	43
485	Liver adapts mitochondrial function to insulin resistant and diabetic states in mice. <i>Journal of Hepatology</i> , 2014 , 60, 816-23	13.4	43
484	Srgap3 ^{+/?} mice present a neurodevelopmental disorder with schizophrenia-related intermediate phenotypes. <i>FASEB Journal</i> , 2012 , 26, 4418-28	0.9	43
483	Impact of IVC housing on emotionality and fear learning in male C3HeB/FeJ and C57BL/6J mice. <i>Mammalian Genome</i> , 2007 , 18, 173-86	3.2	43
482	Electroretinography as a screening method for mutations causing retinal dysfunction in mice. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 601-9		43
481	Clinical Chemistry Reference Intervals for C57BL/6J, C57BL/6N, and C3HeB/FeJ Mice (<i>Mus musculus</i>). <i>Journal of the American Association for Laboratory Animal Science</i> , 2016 , 55, 375-86	1.3	43
480	A novel missense mutation in the mouse growth hormone gene causes semidominant dwarfism, hyperghrelinemia, and obesity. <i>Endocrinology</i> , 2004 , 145, 2531-41	4.8	42
479	Growth hormone receptor-deficient pigs resemble the pathophysiology of human Laron syndrome and reveal altered activation of signaling cascades in the liver. <i>Molecular Metabolism</i> , 2018 , 11, 113-128	8.8	41
478	Insights into the genetic epidemiology of Crohn's and rare diseases in the Ashkenazi Jewish population. <i>PLoS Genetics</i> , 2018 , 14, e1007329	6	41
477	Research funding. Sustaining the data and bioresource commons. <i>Science</i> , 2010 , 330, 592-3	33.3	41
476	Mouse Phenotype Database Integration Consortium: integration [corrected] of mouse phenome data resources. <i>Mammalian Genome</i> , 2007 , 18, 157-63	3.2	41
475	A <i>Myo7a</i> mutation cosegregates with stereocilia defects and low-frequency hearing impairment. <i>Mammalian Genome</i> , 2004 , 15, 686-97	3.2	41
474	Metabolic switch during adipogenesis: From branched chain amino acid catabolism to lipid synthesis. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 589, 93-107	4.1	40
473	Genome-wide analysis of PDX1 target genes in human pancreatic progenitors. <i>Molecular Metabolism</i> , 2018 , 9, 57-68	8.8	40
472	Peroxidasin is essential for eye development in the mouse. <i>Human Molecular Genetics</i> , 2014 , 23, 5597-6146	14.6	40
471	Visualizing corticotropin-releasing hormone receptor type 1 expression and neuronal connectivities in the mouse using a novel multifunctional allele. <i>Journal of Comparative Neurology</i> , 2012 , 520, 3150-80	3.4	40

470	Mechanisms controlling anaemia in <i>Trypanosoma congolense</i> infected mice. <i>PLoS ONE</i> , 2009 , 4, e5170	3.7	40
469	Metabolic signatures of cultured human adipocytes from metabolically healthy versus unhealthy obese individuals. <i>PLoS ONE</i> , 2014 , 9, e93148	3.7	40
468	PR interval genome-wide association meta-analysis identifies 50 loci associated with atrial and atrioventricular electrical activity. <i>Nature Communications</i> , 2018 , 9, 2904	17.4	39
467	RNA editing of Filamin A pre-mRNA regulates vascular contraction and diastolic blood pressure. <i>EMBO Journal</i> , 2018 , 37,	13	39
466	IFIT2 is an effector protein of type I IFN-mediated amplification of lipopolysaccharide (LPS)-induced TNF- β secretion and LPS-induced endotoxin shock. <i>Journal of Immunology</i> , 2013 , 191, 3913-21	5.3	39
465	MTO1 mediates tissue specificity of OXPHOS defects via tRNA modification and translation optimization, which can be bypassed by dietary intervention. <i>Human Molecular Genetics</i> , 2015 , 24, 2247-56	5.6	39
464	Loss of the actin remodeler Eps8 causes intestinal defects and improved metabolic status in mice. <i>PLoS ONE</i> , 2010 , 5, e9468	3.7	39
463	A paternal methyl donor-rich diet altered cognitive and neural functions in offspring mice. <i>Molecular Psychiatry</i> , 2018 , 23, 1345-1355	15.1	38
462	EMMA--mouse mutant resources for the international scientific community. <i>Nucleic Acids Research</i> , 2010 , 38, D570-6	20.1	38
461	CNV-association meta-analysis in 191,161 European adults reveals new loci associated with anthropometric traits. <i>Nature Communications</i> , 2017 , 8, 744	17.4	37
460	Assessing Cognition in Mice. <i>Current Protocols in Mouse Biology</i> , 2015 , 5, 331-358	1.1	37
459	Genome-wide association study identifies new susceptibility loci for cutaneous lupus erythematosus. <i>Experimental Dermatology</i> , 2015 , 24, 510-5	4	37
458	Abnormal brain iron metabolism in <i>Irp2</i> deficient mice is associated with mild neurological and behavioral impairments. <i>PLoS ONE</i> , 2014 , 9, e98072	3.7	37
457	Voluntary wheel running in mice increases the rate of neurogenesis without affecting anxiety-related behaviour in single tests. <i>BMC Neuroscience</i> , 2012 , 13, 61	3.2	37
456	Monocarboxylate transporter 8 deficiency: altered thyroid morphology and persistent high triiodothyronine/thyroxine ratio after thyroidectomy. <i>European Journal of Endocrinology</i> , 2011 , 165, 555-61	6.5	37
455	<i>Prdm5</i> regulates collagen gene transcription by association with RNA polymerase II in developing bone. <i>PLoS Genetics</i> , 2012 , 8, e1002711	6	37
454	Three novel <i>Pax6</i> alleles in the mouse leading to the same small-eye phenotype caused by different consequences at target promoters. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 4671-83		37
453	Reliable recovery of inbred mouse lines using cryopreserved spermatozoa. <i>Mammalian Genome</i> , 1999 , 10, 773-6	3.2	37

452	Broad AOX expression in a genetically tractable mouse model does not disturb normal physiology. <i>DMM Disease Models and Mechanisms</i> , 2017 , 10, 163-171	4.1	37
451	Cardiopulmonary dysfunction in the Osteogenesis imperfecta mouse model <i>Aga2</i> and human patients are caused by bone-independent mechanisms. <i>Human Molecular Genetics</i> , 2012 , 21, 3535-45	5.6	36
450	Screening for dysmorphological abnormalities--a powerful tool to isolate new mouse mutants. <i>Mammalian Genome</i> , 2000 , 11, 528-30	3.2	36
449	TGF- β contributes to impaired exercise response by suppression of mitochondrial key regulators in skeletal muscle. <i>Diabetes</i> , 2016 , 65, 2849-61	0.9	36
448	A history of obesity leaves an inflammatory fingerprint in liver and adipose tissue. <i>International Journal of Obesity</i> , 2018 , 42, 507-517	5.5	35
447	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , 2012 , 23, 611-22	3.2	35
446	Systematic selection of housekeeping genes for gene expression normalization in chicken embryo fibroblasts infected with Newcastle disease virus. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 413, 537-40	3.4	35
445	Novel missense mutation of uromodulin in mice causes renal dysfunction with alterations in urea handling, energy, and bone metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F1391-8	4.3	35
444	Targeted inactivation of the murine <i>Abca3</i> gene leads to respiratory failure in newborns with defective lamellar bodies. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 359, 947-51	3.4	35
443	Zebrafish 20 α -hydroxysteroid dehydrogenase type 2 is important for glucocorticoid catabolism in stress response. <i>PLoS ONE</i> , 2013 , 8, e54851	3.7	35
442	LitMiner and WikiGene: identifying problem-related key players of gene regulation using publication abstracts. <i>Nucleic Acids Research</i> , 2005 , 33, W779-82	20.1	34
441	Genomewide linkage analysis identifies novel genetic loci for lung function in mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 880-8	10.2	34
440	Linking disease-associated genes to regulatory networks via promoter organization. <i>Nucleic Acids Research</i> , 2005 , 33, 864-72	20.1	34
439	Tailchaser (Tlc): a new mouse mutation affecting hair bundle differentiation and hair cell survival. <i>Journal of Neurocytology</i> , 1999 , 28, 969-85		34
438	Calcium-dependent blood-brain barrier breakdown by NOX5 limits postreperfusion benefit in stroke. <i>Journal of Clinical Investigation</i> , 2019 , 129, 1772-1778	15.9	34
437	A novel N-ethyl-N-nitrosourea-induced mutation in phospholipase C α causes inflammatory arthritis, metabolic defects, and male infertility in vitro in a murine model. <i>Arthritis and Rheumatism</i> , 2011 , 63, 1301-11		33
436	"Sighted C3H" mice--a tool for analysing the influence of vision on mouse behaviour?. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 5810-23	2.8	33
435	Specificity assessment from fractionation experiments (SAFE): a novel method to evaluate microarray probe specificity based on hybridisation stringencies. <i>Nucleic Acids Research</i> , 2003 , 31, E1-1	20.1	33

434	COVID-19 and metabolic disease: mechanisms and clinical management. <i>Lancet Diabetes and Endocrinology</i> , 2021 , 9, 786-798	18.1	33
433	ApoE, Mbl2, and Psp plasma protein levels correlate with diabetic phenotype in NZO mice--an optimized rapid workflow for SRM-based quantification. <i>Journal of Proteome Research</i> , 2013 , 12, 1331-43	5.6	32
432	MiR-34a deficiency accelerates medulloblastoma formation in vivo. <i>International Journal of Cancer</i> , 2015 , 136, 2293-303	7.5	32
431	Deletion of glucose transporter GLUT8 in mice increases locomotor activity. <i>Behavior Genetics</i> , 2008 , 38, 396-406	3.2	32
430	Pleiotropic effects in Eya3 knockout mice. <i>BMC Developmental Biology</i> , 2008 , 8, 118	3.1	32
429	Interaction of the MAGUK family member Acvrinp1 and the cytoplasmic domain of the Notch ligand Delta1. <i>Journal of Molecular Biology</i> , 2003 , 333, 229-35	6.5	32
428	The large-scale Munich ENU-mouse-mutagenesis screen. <i>Mammalian Genome</i> , 2000 , 11, 507-10	3.2	32
427	MAPK signaling determines anxiety in the juvenile mouse brain but depression-like behavior in adults. <i>PLoS ONE</i> , 2012 , 7, e35035	3.7	32
426	Impact of temporal variation on design and analysis of mouse knockout phenotyping studies. <i>PLoS ONE</i> , 2014 , 9, e111239	3.7	32
425	Claudin-12 is not required for blood-brain barrier tight junction function. <i>Fluids and Barriers of the CNS</i> , 2019 , 16, 30	7	31
424	Mutation of the Na(+)-K(+)-2Cl(-) cotransporter NKCC2 in mice is associated with severe polyuria and a urea-selective concentrating defect without hyperreninemia. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, F1405-15	4.3	31
423	Microphthalmia, parkinsonism, and enhanced nociception in Pitx3 (416insG) mice. <i>Mammalian Genome</i> , 2010 , 21, 13-27	3.2	31
422	Multiple quantitative trait loci modify cochlear hair cell degeneration in the Beethoven (Tmc1Bth) mouse model of progressive hearing loss DFNA36. <i>Genetics</i> , 2006 , 173, 2111-9	4	31
421	Isolation and characterization of a novel gene from the DiGeorge chromosomal region that encodes for a mediator subunit. <i>Genomics</i> , 2001 , 74, 320-32	4.3	31
420	Alternative oxidase-mediated respiration prevents lethal mitochondrial cardiomyopathy. <i>EMBO Molecular Medicine</i> , 2019 , 11,	12	31
419	A comprehensive evaluation of the genetic architecture of sudden cardiac arrest. <i>European Heart Journal</i> , 2018 , 39, 3961-3969	9.5	31
418	Metformin Effect on Nontargeted Metabolite Profiles in Patients With Type 2 Diabetes and in Multiple Murine Tissues. <i>Diabetes</i> , 2016 , 65, 3776-3785	0.9	30
417	A broad phenotypic screen identifies novel phenotypes driven by a single mutant allele in Huntington's disease CAG knock-in mice. <i>PLoS ONE</i> , 2013 , 8, e80923	3.7	30

416	CIN85 regulates dopamine receptor endocytosis and governs behaviour in mice. <i>EMBO Journal</i> , 2010 , 29, 2421-32	13	30
415	Systematic, standardized and comprehensive neurological phenotyping of inbred mice strains in the German Mouse Clinic. <i>Journal of Neuroscience Methods</i> , 2006 , 157, 82-90	3	30
414	Cryopreservation of mouse spermatozoa: double your mouse space. <i>Trends in Genetics</i> , 1999 , 15, 128-318.5		30
413	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , 2021 , 12, 24	17.4	30
412	A Low-Frequency Inactivating Variant Enriched in the Finnish Population Is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk. <i>Diabetes</i> , 2017 , 66, 2019-2032	0.9	29
411	Microfibrillar-associated protein 4 modulates airway smooth muscle cell phenotype in experimental asthma. <i>Thorax</i> , 2015 , 70, 862-72	7.3	29
410	Metformin supports the antidiabetic effect of a sodium glucose cotransporter 2 inhibitor by suppressing endogenous glucose production in diabetic mice. <i>Diabetes</i> , 2015 , 64, 284-90	0.9	29
409	Cell-based simulation of dynamic expression patterns in the presomitic mesoderm. <i>Journal of Theoretical Biology</i> , 2007 , 248, 120-9	2.3	29
408	Orthovanadate increased the frequency of aneuploid mouse sperm without micronucleus induction in mouse bone marrow erythrocytes at the same dose level. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005 , 583, 158-67	3	29
407	Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers. <i>Genome Research</i> , 2015 , 25, 1295-308	9.7	28
406	Heart-Specific Knockout of the Mitochondrial Thioredoxin Reductase (Txnrd2) Induces Metabolic and Contractile Dysfunction in the Aging Myocardium. <i>Journal of the American Heart Association</i> , 2015 , 4,	6	28
405	Irp2 regulates insulin production through iron-mediated Cdkal1-catalyzed tRNA modification. <i>Nature Communications</i> , 2020 , 11, 296	17.4	28
404	Epigallocatechin gallate (EGCG) reduces the intensity of pancreatic amyloid fibrils in human islet amyloid polypeptide (hIAPP) transgenic mice. <i>Scientific Reports</i> , 2018 , 8, 1116	4.9	28
403	Bezafibrate Improves Insulin Sensitivity and Metabolic Flexibility in STZ-Induced Diabetic Mice. <i>Diabetes</i> , 2016 , 65, 2540-52	0.9	28
402	Discovery of a novel enzyme mediating glucocorticoid catabolism in fish: 20beta-hydroxysteroid dehydrogenase type 2. <i>Molecular and Cellular Endocrinology</i> , 2012 , 349, 202-13	4.4	28
401	The Munich MIDY Pig Biobank - A unique resource for studying organ crosstalk in diabetes. <i>Molecular Metabolism</i> , 2017 , 6, 931-940	8.8	28
400	Angiopietin-like protein 4 is an exercise-induced hepatokine in humans, regulated by glucagon and cAMP. <i>Molecular Metabolism</i> , 2017 , 6, 1286-1295	8.8	28
399	Reduced corneal thickness and enlarged anterior chamber in a novel ColVIIIa2G257D mutant mouse 2009 , 50, 5653-61		28

398	Cancer-retina antigens as potential paraneoplastic antigens in melanoma-associated retinopathy. <i>International Journal of Cancer</i> , 2009 , 124, 140-9	7.5	28
397	Neurobeachin, a regulator of synaptic protein targeting, is associated with body fat mass and feeding behavior in mice and body-mass index in humans. <i>PLoS Genetics</i> , 2012 , 8, e1002568	6	28
396	Systematic gene expression profiling of mouse model series reveals coexpressed genes. <i>Proteomics</i> , 2008 , 8, 1248-56	4.8	28
395	Number of active transcription factor binding sites is essential for the Hes7 oscillator. <i>Theoretical Biology and Medical Modelling</i> , 2006 , 3, 11	2.3	28
394	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. <i>PLoS Biology</i> , 2018 , 16, e2005019	9.7	28
393	Clinical chemistry of human FcRn transgenic mice. <i>Mammalian Genome</i> , 2012 , 23, 259-69	3.2	27
392	Clinical Chemistry and Other Laboratory Tests on Mouse Plasma or Serum. <i>Current Protocols in Mouse Biology</i> , 2013 , 3, 69-100	1.1	27
391	The CALM and CALM/AF10 interactor CATS is a marker for proliferation. <i>Molecular Oncology</i> , 2008 , 2, 356-67	7.9	27
390	Alopecia in a novel mouse model RCO3 is caused by mK6irs1 deficiency. <i>Journal of Investigative Dermatology</i> , 2003 , 121, 674-80	4.3	27
389	The biochemical metabolite screen in the Munich ENU Mouse Mutagenesis Project: determination of amino acids and acylcarnitines by tandem mass spectrometry. <i>Mammalian Genome</i> , 2000 , 11, 547-51	3.2	27
388	Inhibition of LTR signalling activates WNT-induced regeneration in lung. <i>Nature</i> , 2020 , 588, 151-156	50.4	26
387	Endogenous FGF21-signaling controls paradoxical obesity resistance of UCP1-deficient mice. <i>Nature Communications</i> , 2020 , 11, 624	17.4	26
386	Retinal proteome alterations in a mouse model of type 2 diabetes. <i>Diabetologia</i> , 2014 , 57, 192-203	10.3	26
385	New mouse models for metabolic bone diseases generated by genome-wide ENU mutagenesis. <i>Mammalian Genome</i> , 2012 , 23, 416-30	3.2	26
384	High mobility group N proteins modulate the fidelity of the cellular transcriptional profile in a tissue- and variant-specific manner. <i>Journal of Biological Chemistry</i> , 2013 , 288, 16690-16703	5.4	26
383	Mouse nuclear myosin I knock-out shows interchangeability and redundancy of myosin isoforms in the cell nucleus. <i>PLoS ONE</i> , 2013 , 8, e61406	3.7	26
382	Neurological phenotype and reduced lifespan in heterozygous Tim23 knockout mice, the first mouse model of defective mitochondrial import. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 371-6	4.6	26
381	Genotype-specific environmental impact on the variance of blood values in inbred and F1 hybrid mice. <i>Mammalian Genome</i> , 2006 , 17, 93-102	3.2	26

380	Morphologic and molecular characterization of two novel Krt71 (Krt2-6g) mutations: Krt71rco12 and Krt71rco13. <i>Mammalian Genome</i> , 2006 , 17, 1172-82	3.2	26
379	Comet assay as a tool to screen for mouse models with inherited radiation sensitivity. <i>Mammalian Genome</i> , 2000 , 11, 552-4	3.2	26
378	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , 2020 , 52, 1314-1332	36.3	26
377	METTL6 is a tRNA mC methyltransferase that regulates pluripotency and tumor cell growth. <i>Science Advances</i> , 2020 , 6, eaaz4551	14.3	26
376	Metabolic syndrome and extensive adipose tissue inflammation in morbidly obese Göttingen minipigs. <i>Molecular Metabolism</i> , 2018 , 16, 180-190	8.8	26
375	Meis1 coordinates a network of genes implicated in eye development and microphthalmia. <i>Development (Cambridge)</i> , 2015 , 142, 3009-20	6.6	25
374	INFRAFRONTIER--providing mutant mouse resources as research tools for the international scientific community. <i>Nucleic Acids Research</i> , 2015 , 43, D1171-5	20.1	25
373	Exome-chip meta-analysis identifies novel loci associated with cardiac conduction, including ADAMTS6. <i>Genome Biology</i> , 2018 , 19, 87	18.3	25
372	High fat diet-induced modifications in membrane lipid and mitochondrial-membrane protein signatures precede the development of hepatic insulin resistance in mice. <i>Molecular Metabolism</i> , 2015 , 4, 39-50	8.8	25
371	Identification of a potential biomarker for FABP4 inhibition: the power of lipidomics in preclinical drug testing. <i>Journal of Biomolecular Screening</i> , 2011 , 16, 467-75		25
370	Catweasel mice: a novel role for Six1 in sensory patch development and a model for branchio-oto-renal syndrome. <i>Developmental Biology</i> , 2009 , 328, 285-96	3.1	25
369	Human and mouse essentiality screens as a resource for disease gene discovery. <i>Nature Communications</i> , 2020 , 11, 655	17.4	25
368	Tests for Anxiety-Related Behavior in Mice. <i>Current Protocols in Mouse Biology</i> , 2015 , 5, 291-309	1.1	25
367	Characterization of spontaneous air space enlargement in mice lacking microfibrillar-associated protein 4. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 308, L1114-24	5.8	24
366	Importance of sulfur-containing metabolites in discriminating fecal extracts between normal and type-2 diabetic mice. <i>Journal of Proteome Research</i> , 2014 , 13, 4220-31	5.6	24
365	Centralized mouse repositories. <i>Mammalian Genome</i> , 2012 , 23, 559-71	3.2	24
364	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. <i>Acta Neuropathologica</i> , 2012 , 124, 187-97	14.3	24
363	Comparison of particle-exposure triggered pulmonary and systemic inflammation in mice fed with three different diets. <i>Particle and Fibre Toxicology</i> , 2011 , 8, 30	8.4	24

362	Transcriptional regulation of human and murine 17beta-hydroxysteroid dehydrogenase type-7 confers its participation in cholesterol biosynthesis. <i>Journal of Molecular Endocrinology</i> , 2006 , 37, 185-97	4.5	24
361	Rare Variants in Specific Lysosomal Genes Are Associated With Parkinson Disease. <i>Movement Disorders</i> , 2020 , 35, 1245-1248	7	23
360	Exome sequencing identifies a nonsense mutation in Fam46a associated with bone abnormalities in a new mouse model for skeletal dysplasia. <i>Mammalian Genome</i> , 2016 , 27, 111-21	3.2	23
359	Differential effects of neurofibromin gene dosage on melanocyte development. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 49-58	4.3	23
358	Gsdma3(I359N) is a novel ENU-induced mutant mouse line for studying the function of Gasdermin A3 in the hair follicle and epidermis. <i>Journal of Dermatological Science</i> , 2012 , 67, 190-2	4.3	23
357	Type of uromodulin mutation and allelic status influence onset and severity of uromodulin-associated kidney disease in mice. <i>Human Molecular Genetics</i> , 2013 , 22, 4148-63	5.6	23
356	The chemotherapeutic agents nocodazole and amsacrine cause meiotic delay and non-disjunction in spermatocytes of mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 651, 105-13	3	23
355	Diabetes models by screen for hyperglycemia in phenotype-driven ENU mouse mutagenesis projects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E232-40	6	23
354	New ENU-induced semidominant mutation, Ali18, causes inflammatory arthritis, dermatitis, and osteoporosis in the mouse. <i>Mammalian Genome</i> , 2006 , 17, 915-26	3.2	23
353	Glutathione peroxidase 4 and vitamin E control reticulocyte maturation, stress erythropoiesis and iron homeostasis. <i>Haematologica</i> , 2020 , 105, 937-950	6.6	23
352	Interplay between H1 and HMGN epigenetically regulates OLIG1&2 expression and oligodendrocyte differentiation. <i>Nucleic Acids Research</i> , 2017 , 45, 3031-3045	20.1	22
351	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. <i>DNA Repair</i> , 2013 , 12, 356-66	4.3	22
350	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. <i>Scientific Data</i> , 2017 , 4, 170179	8.2	22
349	New mutation in the mouse Xpd/Ercc2 gene leads to recessive cataracts. <i>PLoS ONE</i> , 2015 , 10, e0125304	3.7	22
348	Mutation in a novel connexin-like gene (Gjf1) in the mouse affects early lens development and causes a variable small-eye phenotype. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 1525-32		22
347	Risk assessment of mouse hepatitis virus infection via in vitro fertilization and embryo transfer by the use of zona-intact and laser-microdissected oocytes. <i>Biology of Reproduction</i> , 2006 , 74, 246-52	3.9	22
346	A genetic screen for modifiers of the delta1-dependent notch signaling function in the mouse. <i>Genetics</i> , 2007 , 175, 1451-63	4	22
345	A resource of targeted mutant mouse lines for 5,061 genes. <i>Nature Genetics</i> , 2021 , 53, 416-419	36.3	22

344	Bezafibrate ameliorates diabetes via reduced steatosis and improved hepatic insulin sensitivity in diabetic TallyHo mice. <i>Molecular Metabolism</i> , 2017 , 6, 256-266	8.8	21
343	Conditional Reduction of Adult Born Doublecortin-Positive Neurons Reversibly Impairs Selective Behaviors. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 302	3.5	21
342	Production and release of acylcarnitines by primary myotubes reflect the differences in fasting fat oxidation of the donors. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E1137-42	5.6	21
341	Immune modulation by Fas ligand reverse signaling: lymphocyte proliferation is attenuated by the intracellular Fas ligand domain. <i>Blood</i> , 2011 , 117, 519-29	2.2	21
340	Variation of the response to the optokinetic drum among various strains of mice. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 6269-75	2.8	21
339	V76D mutation in a conserved gD-crystallin region leads to dominant cataracts in mice. <i>Mammalian Genome</i> , 2002 , 13, 452-5	3.2	21
338	Identification of immunological relevant phenotypes in ENU mutagenized mice. <i>Mammalian Genome</i> , 2000 , 11, 526-7	3.2	21
337	MouseNet database: digital management of a large-scale mutagenesis project. <i>Mammalian Genome</i> , 2000 , 11, 590-3	3.2	21
336	Cholesterol metabolism promotes B-cell positioning during immune pathogenesis of chronic obstructive pulmonary disease. <i>EMBO Molecular Medicine</i> , 2018 , 10,	12	20
335	Maternal whole blood cell miRNA-340 is elevated in gestational diabetes and inversely regulated by glucose and insulin. <i>Scientific Reports</i> , 2018 , 8, 1366	4.9	20
334	Specific CD8 T cells in IgE-mediated allergy correlate with allergen dose and allergic phenotype. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 181, 7-16	10.2	20
333	Selection and evaluation of stable housekeeping genes for gene expression normalization in carbon nanoparticle-induced acute pulmonary inflammation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 399, 531-6	3.4	20
332	From dynamic expression patterns to boundary formation in the presomitic mesoderm. <i>PLoS Computational Biology</i> , 2012 , 8, e1002586	5	20
331	An approach to handling and interpretation of ambiguous data in transcriptome and proteome comparisons. <i>Proteomics</i> , 2008 , 8, 1165-9	4.8	20
330	Sall4 isoforms act during proximal-distal and anterior-posterior axis formation in the mouse embryo. <i>Genesis</i> , 2008 , 46, 463-77	1.9	20
329	Characterization of a new mouse mutant, flouncer, with a balance defect and inner ear malformation. <i>Otology and Neurotology</i> , 2004 , 25, 707-13	2.6	20
328	Assessment of a systematic expression profiling approach in ENU-induced mouse mutant lines. <i>Mammalian Genome</i> , 2005 , 16, 1-10	3.2	20
327	Identification of genes required for eye development by high-throughput screening of mouse knockouts. <i>Communications Biology</i> , 2018 , 1, 236	6.7	20

326	hIAPP forms toxic oligomers in plasma. <i>Chemical Communications</i> , 2018 , 54, 5426-5429	5.8	19
325	Genes Whose Gain or Loss-Of-Function Increases Skeletal Muscle Mass in Mice: A Systematic Literature Review. <i>Frontiers in Physiology</i> , 2018 , 9, 553	4.6	19
324	Simulation of Finnish population history, guided by empirical genetic data, to assess power of rare-variant tests in Finland. <i>American Journal of Human Genetics</i> , 2014 , 94, 710-20	11	19
323	Effects of diet-matrix on volatile organic compounds in breath in diet-induced obese mice. <i>Journal of Breath Research</i> , 2014 , 8, 016004	3.1	19
322	No amelioration of uromodulin maturation and trafficking defect by sodium 4-phenylbutyrate in vivo: studies in mouse models of uromodulin-associated kidney disease. <i>Journal of Biological Chemistry</i> , 2014 , 289, 10715-10726	5.4	19
321	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. <i>FASEB Journal</i> , 2012 , 26, 5081-91	0.9	19
320	Overexpressed vs mutated Kras in murine fibroblasts: a molecular phenotyping study. <i>British Journal of Cancer</i> , 2009 , 100, 656-62	8.7	19
319	Screening for increased plasma urea levels in a large-scale ENU mouse mutagenesis project reveals kidney disease models. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, F1560-7	4.3	19
318	An ENU-induced mutation in AP-2alpha leads to middle ear and ocular defects in Doarad mice. <i>Mammalian Genome</i> , 2004 , 15, 424-32	3.2	19
317	Fibroblast growth factor induces primitive streak formation in rabbit pre-implantation embryos in vitro. <i>Anatomy and Embryology</i> , 1993 , 187, 269-73		19
316	Protein-coding variants contribute to the risk of atopic dermatitis and skin-specific gene expression. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 1208-1218	11.5	19
315	Genome-wide association meta-analysis of 30,000 samples identifies seven novel loci for quantitative ECG traits. <i>European Journal of Human Genetics</i> , 2019 , 27, 952-962	5.3	18
314	Multi-omics insights into functional alterations of the liver in insulin-deficient diabetes mellitus. <i>Molecular Metabolism</i> , 2019 , 26, 30-44	8.8	18
313	IL-4 receptor β blockade prevents sensitization and alters acute and long-lasting effects of allergen-specific immunotherapy of murine allergic asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 1549-1560	9.3	18
312	The impact of blood on liver metabolite profiling - a combined metabolomic and proteomic approach. <i>Biomedical Chromatography</i> , 2014 , 28, 231-40	1.7	18
311	Crybb2 coding for β 2-crystallin affects sensorimotor gating and hippocampal function. <i>Mammalian Genome</i> , 2013 , 24, 333-48	3.2	18
310	Ligand-independent epidermal growth factor receptor hyperactivation increases sebaceous gland size and sebum secretion in mice. <i>Experimental Dermatology</i> , 2013 , 22, 667-9	4	18
309	First mutation in the α 2-crystallin encoding gene is associated with small lenses and age-related cataracts 2011 , 52, 2571-6		18

308	Generation of N-ethyl-N-nitrosourea-induced mouse mutants with deviations in hematological parameters. <i>Mammalian Genome</i> , 2011 , 22, 495-505	3.2	18
307	MausDB: an open source application for phenotype data and mouse colony management in large-scale mouse phenotyping projects. <i>BMC Bioinformatics</i> , 2008 , 9, 169	3.6	18
306	Hypercholesterolemia in ENU-induced mouse mutants. <i>Journal of Lipid Research</i> , 2004 , 45, 2132-7	6.3	18
305	Genetic variants in RBFOX3 are associated with sleep latency. <i>European Journal of Human Genetics</i> , 2016 , 24, 1488-95	5.3	18
304	Discovery of novel heart rate-associated loci using the Exome Chip. <i>Human Molecular Genetics</i> , 2017 , 26, 2346-2363	5.6	17
303	Knock-out of nexilin in mice leads to dilated cardiomyopathy and endomyocardial fibroelastosis. <i>Basic Research in Cardiology</i> , 2016 , 111, 6	11.8	17
302	: effects on motor phenotypes and the sensorimotor system in mice. <i>DMM Disease Models and Mechanisms</i> , 2017 , 10, 981-991	4.1	17
301	The transcription factor Smad-interacting protein 1 controls pain sensitivity via modulation of DRG neuron excitability. <i>Pain</i> , 2011 , 152, 2384-2398	8	17
300	A mutation in the enamelin gene in a mouse model. <i>Journal of Dental Research</i> , 2007 , 86, 764-8	8.1	17
299	The mouse Trm1-like gene is expressed in neural tissues and plays a role in motor coordination and exploratory behaviour. <i>Gene</i> , 2007 , 389, 174-85	3.8	17
298	Large-scale mutational analysis for the annotation of the mouse genome. <i>Current Opinion in Chemical Biology</i> , 2002 , 6, 17-23	9.7	17
297	Male offspring born to mildly ZIKV-infected mice are at risk of developing neurocognitive disorders in adulthood. <i>Nature Microbiology</i> , 2018 , 3, 1161-1174	26.6	17
296	Genetic invalidation of Lp-PLA as a therapeutic target: Large-scale study of five functional Lp-PLA-lowering alleles. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 492-504	3.9	16
295	Nutrition and its role in epigenetic inheritance of obesity and diabetes across generations. <i>Mammalian Genome</i> , 2020 , 31, 119-133	3.2	16
294	High-throughput phenotypic assessment of cardiac physiology in four commonly used inbred mouse strains. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014 , 184, 763-75	2.2	16
293	Longitudinal fundus and retinal studies with SD-OCT: a comparison of five mouse inbred strains. <i>Mammalian Genome</i> , 2013 , 24, 198-205	3.2	16
292	An ENU mutagenesis-derived mouse model with a dominant Jak1 mutation resembling phenotypes of systemic autoimmune disease. <i>American Journal of Pathology</i> , 2013 , 183, 352-68	5.8	16
291	A novel biological function of soluble biglycan: Induction of erythropoietin production and polycythemia. <i>Glycoconjugate Journal</i> , 2017 , 34, 393-404	3	16

290	Combination of in silico and in situ hybridisation approaches to identify potential Dll1 associated miRNAs during mouse embryogenesis. <i>Gene Expression Patterns</i> , 2010 , 10, 265-73	1.5	16
289	Power matters in closing the phenotyping gap. <i>Die Naturwissenschaften</i> , 2007 , 94, 401-6	2	16
288	ARTS: a web-based tool for the set-up of high-throughput genome-wide mapping panels for the SNP genotyping of mouse mutants. <i>Nucleic Acids Research</i> , 2005 , 33, W496-500	20.1	16
287	The novel mouse microphthalmia mutations Mitfmi-enu5 and Mitfmi-bcc2 produce dominant negative Mitf proteins. <i>Genomics</i> , 2004 , 83, 932-5	4.3	16
286	Large-scale N-ethyl-N-nitrosourea mutagenesis of mice - from phenotypes to genes. <i>Experimental Physiology</i> , 2000 , 85, 635-643	2.4	16
285	Metformin causes a futile intestinal-hepatic cycle which increases energy expenditure and slows down development of a type 2 diabetes-like state. <i>Molecular Metabolism</i> , 2017 , 6, 737-747	8.8	15
284	Gain-of-function mutations in a member of the Src family kinases cause autoinflammatory bone disease in mice and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11872-11877	11.5	15
283	Micro-imaging of Brain Cancer Radiation Therapy Using Phase-contrast Computed Tomography. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 101, 965-984	4	15
282	The Role of Fibroblast Growth Factor-Binding Protein 1 in Skin Carcinogenesis and Inflammation. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 179-188	4.3	15
281	Iopromide exposure in <i>Typha latifolia</i> L.: Evaluation of uptake, translocation and different transformation mechanisms in planta. <i>Water Research</i> , 2017 , 122, 290-298	12.5	15
280	MTO1-deficient mouse model mirrors the human phenotype showing complex I defect and cardiomyopathy. <i>PLoS ONE</i> , 2014 , 9, e114918	3.7	15
279	Cytoplasmic mislocalization of POU3F4 due to novel mutations leads to deafness in humans and mice. <i>Human Mutation</i> , 2013 , 34, 1102-10	4.7	15
278	Generation of N-ethyl-N-nitrosourea-induced mouse mutants with deviations in plasma enzyme activities as novel organ-specific disease models. <i>Experimental Physiology</i> , 2009 , 94, 412-21	2.4	15
277	EMMA--the European mouse mutant archive. <i>Briefings in Functional Genomics & Proteomics</i> , 2007 , 6, 186-92		15
276	Two new mouse mutants with vestibular defects that map to the highly mutable locus on chromosome 4. <i>International Journal of Audiology</i> , 2005 , 44, 171-7	2.6	15
275	A mouse keratin 1 mutation causes dark skin and epidermolytic hyperkeratosis. <i>Journal of Investigative Dermatology</i> , 2006 , 126, 1013-6	4.3	15
274	Heritable translocations induced by dermal exposure of male mice to acrylamide. <i>Cytogenetic and Genome Research</i> , 2004 , 104, 271-6	1.9	15
273	Identification of Dll1 (Delta1) target genes during mouse embryogenesis using differential expression profiling. <i>Gene Expression Patterns</i> , 2005 , 6, 94-101	1.5	15

272	Mesenchymal TNFR2 promotes the development of polyarthritis and comorbid heart valve stenosis. <i>JCI Insight</i> , 2018 , 3,	9.9	15
271	The endocytic adaptor Eps15 controls marginal zone B cell numbers. <i>PLoS ONE</i> , 2012 , 7, e50818	3.7	15
270	DLL1- and DLL4-Mediated Notch Signaling Is Essential for Adult Pancreatic Islet Homeostasis. <i>Diabetes</i> , 2020 , 69, 915-926	0.9	15
269	Congenetic expression of poly-GA but not poly-PR in mice triggers selective neuron loss and interferon responses found in C9orf72 ALS. <i>Acta Neuropathologica</i> , 2020 , 140, 121-142	14.3	14
268	The effect of differentiation and TGF β on mitochondrial respiration and mitochondrial enzyme abundance in cultured primary human skeletal muscle cells. <i>Scientific Reports</i> , 2018 , 8, 737	4.9	14
267	INFRAFRONTIER: a European resource for studying the functional basis of human disease. <i>Mammalian Genome</i> , 2016 , 27, 445-50	3.2	14
266	Blood Collection from Mice and Hematological Analyses on Mouse Blood. <i>Current Protocols in Mouse Biology</i> , 2013 , 3, 101-19	1.1	14
265	Activated macrophages control human adipocyte mitochondrial bioenergetics via secreted factors. <i>Molecular Metabolism</i> , 2017 , 6, 1226-1239	8.8	14
264	The Role of Eif6 in Skeletal Muscle Homeostasis Revealed by Endurance Training Co-expression Networks. <i>Cell Reports</i> , 2017 , 21, 1507-1520	10.6	14
263	A review of standardized metabolic phenotyping of animal models. <i>Mammalian Genome</i> , 2014 , 25, 497-507	5.7	14
262	Interrogating causal pathways linking genetic variants, small molecule metabolites, and circulating lipids. <i>Genome Medicine</i> , 2014 , 6, 25	14.4	14
261	Impaired resolution of inflammatory response in the lungs of JF1/Msf mice following carbon nanoparticle instillation. <i>Respiratory Research</i> , 2011 , 12, 94	7.3	14
260	Neuron-specific inactivation of <i>Altb1</i> alters locomotion in mice and changes interneuron composition in the spinal cord. <i>Life Science Alliance</i> , 2018 , 1, e201800106	5.8	14
259	Genome-wide association analysis in dilated cardiomyopathy reveals two new players in systolic heart failure on chromosomes 3p25.1 and 22q11.23. <i>European Heart Journal</i> , 2021 , 42, 2000-2011	9.5	14
258	Myoscape controls cardiac calcium cycling and contractility via regulation of L-type calcium channel surface expression. <i>Nature Communications</i> , 2016 , 7, 11317	17.4	14
257	Analysis with the exome array identifies multiple new independent variants in lipid loci. <i>Human Molecular Genetics</i> , 2016 , 25, 4094-4106	5.6	14
256	Improved efficacy of allergen-specific immunotherapy by JAK inhibition in a murine model of allergic asthma. <i>PLoS ONE</i> , 2017 , 12, e0178563	3.7	13
255	Faim2 contributes to neuroprotection by erythropoietin in transient brain ischemia. <i>Journal of Neurochemistry</i> , 2018 , 145, 258-270	6	13

254	Genetically Controlled Lysosomal Entrapment of Superparamagnetic Ferritin for Multimodal and Multiscale Imaging and Actuation with Low Tissue Attenuation. <i>Advanced Functional Materials</i> , 2018 , 28, 1706793	15.6	13
253	Hepatic Rab24 controls blood glucose homeostasis via improving mitochondrial plasticity. <i>Nature Metabolism</i> , 2019 , 1, 1009-1026	14.6	13
252	Glucose tolerance tests for systematic screening of glucose homeostasis in mice. <i>Current Protocols in Mouse Biology</i> , 2015 , 5, 65-84	1.1	13
251	Modeling hepatic osteodystrophy in Abcb4 deficient mice. <i>Bone</i> , 2013 , 55, 501-11	4.7	13
250	KIT is required for hepatic function during mouse post-natal development. <i>BMC Developmental Biology</i> , 2007 , 7, 81	3.1	13
249	Hush puppy: a new mouse mutant with pinna, ossicle, and inner ear defects. <i>Laryngoscope</i> , 2005 , 115, 116-24	3.6	13
248	Enu mouse mutagenesis: generation of mouse mutants with aberrant plasma IgE levels. <i>International Archives of Allergy and Immunology</i> , 2001 , 124, 25-8	3.7	13
247	Sphingomyelin Synthase 1 Is Essential for Male Fertility in Mice. <i>PLoS ONE</i> , 2016 , 11, e0164298	3.7	13
246	RL-SKAT: An Exact and Efficient Score Test for Heritability and Set Tests. <i>Genetics</i> , 2017 , 207, 1275-1283	4	12
245	Blastocyst genotyping for quality control of mouse mutant archives: an ethical and economical approach. <i>Transgenic Research</i> , 2015 , 24, 921-7	3.3	12
244	Genetic Susceptibility for Atrial Fibrillation in Patients Undergoing Atrial Fibrillation Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020 , 13, e007676	6.4	12
243	Functional changes of the liver in the absence of growth hormone (GH) action - Proteomic and metabolomic insights from a GH receptor deficient pig model. <i>Molecular Metabolism</i> , 2020 , 36, 100978	8.8	12
242	Understanding gene functions and disease mechanisms: Phenotyping pipelines in the German Mouse Clinic. <i>Behavioural Brain Research</i> , 2018 , 352, 187-196	3.4	12
241	RNase H2 Loss in Murine Astrocytes Results in Cellular Defects Reminiscent of Nucleic Acid-Mediated Autoinflammation. <i>Frontiers in Immunology</i> , 2018 , 9, 587	8.4	12
240	Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 3118-3131	15.1	12
239	Common variation in fatty acid metabolic genes and risk of incident sudden cardiac arrest. <i>Heart Rhythm</i> , 2014 , 11, 471-7	6.7	12
238	Pleiotropic functions for transcription factor zscan10. <i>PLoS ONE</i> , 2014 , 9, e104568	3.7	12
237	Lens density tracking in mice by Scheimpflug imaging. <i>Mammalian Genome</i> , 2013 , 24, 295-302	3.2	12

236	Dll1 haploinsufficiency in adult mice leads to a complex phenotype affecting metabolic and immunological processes. <i>PLoS ONE</i> , 2009 , 4, e6054	3.7	12
235	Identification of a Keratin 4 mutation in a chemically induced mouse mutant that models white sponge nevus. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 60-4	4.3	12
234	Functional genome analysis indicates loss of 17beta-hydroxysteroid dehydrogenase type 2 enzyme in the zebrafish. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 103, 35-43	5.1	12
233	CIP2A Promotes T-Cell Activation and Immune Response to <i>Listeria monocytogenes</i> Infection. <i>PLoS ONE</i> , 2016 , 11, e0152996	3.7	12
232	Impact of fibroblast growth factor 21 on the secretome of human perivascular preadipocytes and adipocytes: a targeted proteomics approach. <i>Archives of Physiology and Biochemistry</i> , 2016 , 122, 281-288 ^{2.2}		12
231	A mouse model for intellectual disability caused by mutations in the X-linked 2NO-methyltransferase <i>Ftsj1</i> gene. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2083-2093	6.9	12
230	Genes Whose Gain or Loss-of-Function Increases Endurance Performance in Mice: A Systematic Literature Review. <i>Frontiers in Physiology</i> , 2019 , 10, 262	4.6	11
229	Repolarization Heterogeneity Measured With T-Wave Area Dispersion in Standard 12-Lead ECG Predicts Sudden Cardiac Death in General Population. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018 , 11, e005762	6.4	11
228	Point mutation of <i>Ffar1</i> abrogates fatty acid-dependent insulin secretion, but protects against HFD-induced glucose intolerance. <i>Molecular Metabolism</i> , 2017 , 6, 1304-1312	8.8	11
227	Combining metabolomic non-targeted GC-TOF-MS analysis and chemometric ASCA-based study of variances to assess dietary influence on type 2 diabetes development in a mouse model. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 343-54	4.4	11
226	Endothelial amine oxidase AOC3 transiently contributes to adaptive immune responses in the airways. <i>European Journal of Immunology</i> , 2014 , 44, 3232-9	6.1	11
225	Smad-interacting protein 1 affects acute and tonic, but not chronic pain. <i>European Journal of Pain</i> , 2014 , 18, 249-57	3.7	11
224	Online breath gas analysis in unrestrained mice by hs-PTR-MS. <i>Mammalian Genome</i> , 2014 , 25, 129-40	3.2	11
223	<i>Abca3</i> haploinsufficiency is a risk factor for lung injury induced by hyperoxia or mechanical ventilation in a murine model. <i>Pediatric Research</i> , 2013 , 74, 384-92	3.2	11
222	Increased mitochondrial respiration of adipocytes from metabolically unhealthy obese compared to healthy obese individuals. <i>Scientific Reports</i> , 2020 , 10, 12407	4.9	11
221	DNA methylation and lipid metabolism: an EWAS of 226 metabolic measures. <i>Clinical Epigenetics</i> , 2021 , 13, 7	7.7	11
220	Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11, e002037	5.2	11
219	Cognitive impairment and autistic-like behaviour in <i>SAPAP4</i> -deficient mice. <i>Translational Psychiatry</i> , 2019 , 9, 7	8.6	10

218	Night Shift Work Affects Urine Metabolite Profiles of Nurses with Early Chronotype. <i>Metabolites</i> , 2018 , 8,	5.6	10
217	Genetic variants including markers from the exome chip and metabolite traits of type 2 diabetes. <i>Scientific Reports</i> , 2017 , 7, 6037	4.9	10
216	Overexpression of the anti-apoptotic protein AVEN contributes to increased malignancy in hematopoietic neoplasms. <i>Oncogene</i> , 2013 , 32, 2586-91	9.2	10
215	A new Fgf10 mutation 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, 4311-8		10
214	Effect of IVF and laser zona dissection on DNA methylation pattern of mouse zygotes. <i>Mammalian Genome</i> , 2009 , 20, 664-73	3.2	10
213	Huge splicing frequency in human Y chromosomal UTY gene. <i>OMICS A Journal of Integrative Biology</i> , 2011 , 15, 141-54	3.8	10
212	Animal Models of Nociception221-235		10
211	Ethylnitrosourea-induced mutation in mice leads to the expression of a novel protein in the eye and to dominant cataracts. <i>Genetics</i> , 2001 , 157, 1313-20	4	10
210	Growth hormone receptor knockout to reduce the size of donor pigs for preclinical xenotransplantation studies. <i>Xenotransplantation</i> , 2021 , 28, e12664	2.8	10
209	Modification of the fatty acid composition of an obesogenic diet improves the maternal and placental metabolic environment in obese pregnant mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 1605-1614	6.9	9
208	High-throughput discovery of genetic determinants of circadian misalignment. <i>PLoS Genetics</i> , 2020 , 16, e1008577	6	9
207	Pharmacogenetics of oral antidiabetic therapy. <i>Pharmacogenomics</i> , 2018 , 19, 577-587	2.6	9
206	Prediction of Glucose Tolerance without an Oral Glucose Tolerance Test. <i>Frontiers in Endocrinology</i> , 2018 , 9, 82	5.7	9
205	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. <i>Developmental and Comparative Immunology</i> , 2017 , 77, 69-76	3.2	9
204	Female mice lacking Pald1 exhibit endothelial cell apoptosis and emphysema. <i>Scientific Reports</i> , 2017 , 7, 15453	4.9	9
203	Modeling coexistence of oscillation and Delta/Notch-mediated lateral inhibition in pancreas development and neurogenesis. <i>Journal of Theoretical Biology</i> , 2017 , 430, 32-44	2.3	9
202	In vivo functional requirement of the mouse Ifitm1 gene for germ cell development, interferon mediated immune response and somitogenesis. <i>PLoS ONE</i> , 2012 , 7, e44609	3.7	9
201	Novel lymphocyte-independent mechanisms to initiate inflammatory arthritis via bone marrow-derived cells of Ali18 mutant mice. <i>Rheumatology</i> , 2008 , 47, 292-300	3.9	9

200	Type 2 diabetes risk gene Dusp8 regulates hypothalamic Jnk signaling and insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2020 , 130, 6093-6108	15.9	9
199	Generation and Standardized, Systemic Phenotypic Analysis of Pou3f3L423P Mutant Mice. <i>PLoS ONE</i> , 2016 , 11, e0150472	3.7	9
198	Phosphorylation Control of p53 DNA-Binding Cooperativity Balances Tumorigenesis and Aging. <i>Cancer Research</i> , 2020 , 80, 5231-5244	10.1	9
197	Preadipocytes of obese humans display gender-specific bioenergetic responses to glucose and insulin. <i>Molecular Metabolism</i> , 2019 , 20, 28-37	8.8	9
196	A comprehensive and comparative phenotypic analysis of the collaborative founder strains identifies new and known phenotypes. <i>Mammalian Genome</i> , 2020 , 31, 30-48	3.2	8
195	Analysis of locomotor behavior in the German Mouse Clinic. <i>Journal of Neuroscience Methods</i> , 2018 , 300, 77-91	3	8
194	Dexamethasone treatment alters insulin, leptin, and adiponectin levels in male mice as observed in DIO but does not lead to alterations of metabolic phenotypes in the offspring. <i>Mammalian Genome</i> , 2016 , 27, 17-28	3.2	8
193	Mildly compromised tetrahydrobiopterin cofactor biosynthesis due to Pts variants leads to unusual body fat distribution and abdominal obesity in mice. <i>Journal of Inherited Metabolic Disease</i> , 2016 , 39, 309-19	5.4	8
192	A Vitamin E-Enriched Antioxidant Diet Interferes with the Acute Adaptation of the Liver to Physical Exercise in Mice. <i>Nutrients</i> , 2018 , 10,	6.7	8
191	The BEACH protein LRBA is required for hair bundle maintenance in cochlear hair cells and for hearing. <i>EMBO Reports</i> , 2017 , 18, 2015-2029	6.5	8
190	Standardized, systemic phenotypic analysis of Umod(C93F) and Umod(A227T) mutant mice. <i>PLoS ONE</i> , 2013 , 8, e78337	3.7	8
189	Gender-, strain-, and inheritance-dependent variation in aldosterone secretion in mice. <i>Journal of Endocrinology</i> , 2012 , 215, 375-81	4.7	8
188	Great times for mouse genetics: getting ready for large-scale ENU-mutagenesis. <i>Mammalian Genome</i> , 2000 , 11, 471-471	3.2	8
187	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. <i>PLoS Genetics</i> , 2020 , 16, e1009190	6	8
186	The pathologic effect of a novel neomorphic Fgf9(Y162C) allele is restricted to decreased vision and retarded lens growth. <i>PLoS ONE</i> , 2011 , 6, e23678	3.7	8
185	Prdm6 is essential for cardiovascular development in vivo. <i>PLoS ONE</i> , 2013 , 8, e81833	3.7	8
184	Spectral domain - Optical coherence tomography (SD-OCT) as a monitoring tool for alterations in mouse lenses. <i>Experimental Eye Research</i> , 2020 , 190, 107871	3.7	8
183	Melanocyte development in the mouse tail epidermis requires the Adamts9 metalloproteinase. <i>Pigment Cell and Melanoma Research</i> , 2018 , 31, 693-707	4.5	8

182	Serum Response Factor (SRF) Ablation Interferes with Acute Stress-Associated Immediate and Long-Term Coping Mechanisms. <i>Molecular Neurobiology</i> , 2017 , 54, 8242-8262	6.2	7
181	Rapid and transient oxygen consumption increase following acute HDAC/KDAC inhibition in <i>Drosophila</i> tissue. <i>Scientific Reports</i> , 2018 , 8, 4199	4.9	7
180	Fgf9 Mutation Alters Information Processing and Social Memory in Mice. <i>Molecular Neurobiology</i> , 2018 , 55, 4580-4595	6.2	7
179	Testing the role of predicted gene knockouts in human anthropometric trait variation. <i>Human Molecular Genetics</i> , 2016 , 25, 2082-2092	5.6	7
178	Dilution correction for dynamically influenced urinary analyte data. <i>Analytica Chimica Acta</i> , 2018 , 1032, 18-31	6.6	7
177	Overexpression of the mitochondrial methyltransferase TFB1M in the mouse does not impact mitoribosomal methylation status or hearing. <i>Human Molecular Genetics</i> , 2015 , 24, 7286-94	5.6	7
176	Controversial association results for INSIG2 on body mass index may be explained by interactions with age and with MC4R. <i>European Journal of Human Genetics</i> , 2014 , 22, 1217-24	5.3	7
175	Clinical chemistry of congenic mice with quantitative trait loci for predicted responses to <i>Trypanosoma congolense</i> infection. <i>Infection and Immunity</i> , 2009 , 77, 3948-57	3.7	7
174	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 4035-4046	3.2	7
173	Microphakia and congenital cataract formation in a novel Lim2(C51R) mutant mouse. <i>Molecular Vision</i> , 2011 , 17, 1164-71	2.3	7
172	Molecular Phenotyping of Mouse Mutant Resources by RNA Expression Profiling. <i>Current Genomics</i> , 2002 , 3, 121-129	2.6	7
171	Integrative clinical transcriptome analysis reveals TMPRSS2-ERG dependency of prognostic biomarkers in prostate adenocarcinoma. <i>International Journal of Cancer</i> , 2020 , 146, 2036-2046	7.5	7
170	Iron deficiency anemia in cyclic GMP kinase knockout mice. <i>Haematologica</i> , 2016 , 101, e48-51	6.6	7
169	Dose-dependent long-term effects of a single radiation event on behaviour and glial cells. <i>International Journal of Radiation Biology</i> , 2021 , 97, 156-169	2.9	7
168	Glucose tolerance and insulin sensitivity define adipocyte transcriptional programs in human obesity. <i>Molecular Metabolism</i> , 2018 , 18, 42-50	8.8	7
167	Establishing sample-preparation protocols for X-ray phase-contrast CT of rodent spinal cords: Aldehyde fixations and osmium impregnation. <i>Journal of Neuroscience Methods</i> , 2020 , 339, 108744	3	6
166	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. <i>Scientific Reports</i> , 2018 , 8, 5975	4.9	6
165	Diet-induced and mono-genetic obesity alter volatile organic compound signature in mice. <i>Journal of Breath Research</i> , 2016 , 10, 016009	3.1	6

164	The heterozygous R155C VCP mutation: Toxic in humans! Harmless in mice?. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 2770-2777	3.4	6
163	Loss of Npn1 from motor neurons causes postnatal deficits independent from Sema3A signaling. <i>Developmental Biology</i> , 2015 , 399, 2-14	3.1	6
162	Negative feedback mechanisms surpass the effect of intrinsic EGFR activation during skin chemical carcinogenesis. <i>American Journal of Pathology</i> , 2012 , 180, 1378-85	5.8	6
161	Phenotypic and pathomorphological characteristics of a novel mutant mouse model for maturity-onset diabetes of the young type 2 (MODY 2). <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E512-23	6	6
160	Compartmentalised expression of Delta-like 1 in epithelial somites is required for the formation of intervertebral joints. <i>BMC Developmental Biology</i> , 2007 , 7, 68	3.1	6
159	On the Nature of Murine Radiation-Induced Subcapsular Cataracts: Optical Coherence Tomography-Based Fine Classification, In Vivo Dynamics and Impact on Visual Acuity. <i>Radiation Research</i> , 2021 ,	3.1	6
158	Methods for proteomics-based analysis of the human muscle secretome using an in vitro exercise model. <i>Methods in Molecular Biology</i> , 2015 , 1295, 55-64	1.4	6
157	Increased estrogen to androgen ratio enhances immunoglobulin levels and impairs B cell function in male mice. <i>Scientific Reports</i> , 2020 , 10, 18334	4.9	6
156	Cis-epistasis at the LPA locus and risk of cardiovascular diseases. <i>Cardiovascular Research</i> , 2021 ,	9.9	6
155	Chronically elevated branched chain amino acid levels are pro-arrhythmic. <i>Cardiovascular Research</i> , 2021 ,	9.9	6
154	Mild maternal hyperglycemia in transgenic pigs causes impaired glucose tolerance and metabolic alterations in neonatal offspring. <i>DMM Disease Models and Mechanisms</i> , 2019 , 12,	4.1	6
153	Cited4 is a sex-biased mediator of the antidiabetic glitazone response in adipocyte progenitors. <i>EMBO Molecular Medicine</i> , 2018 , 10,	12	6
152	Hyperexcitable interneurons trigger cortical spreading depression in an Scn1a migraine model. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	6
151	A Fast, Easy, and Customizable Eight-Color Flow Cytometric Method for Analysis of the Cellular Content of Bronchoalveolar Lavage Fluid in the Mouse. <i>Current Protocols in Mouse Biology</i> , 2017 , 7, 88-99 ^{1.1}		5
150	Low catalytic activity is insufficient to induce disease pathology in triosephosphate isomerase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2019 , 42, 839-849	5.4	5
149	Principles and application of LIMS in mouse clinics. <i>Mammalian Genome</i> , 2015 , 26, 467-81	3.2	5
148	Mutation in Bmpr1b Leads to Optic Disc Coloboma and Ventral Retinal Gliosis in Mice 2020 , 61, 44		5
147	Standardized, systemic phenotypic analysis reveals kidney dysfunction as main alteration of Kctd1 mutant mice. <i>Journal of Biomedical Science</i> , 2017 , 24, 57	13.3	5

146	Genetic and Molecular Insights Into Genotype-Phenotype Relationships in Osteopathia Striata With Cranial Sclerosis (OSCS) Through the Analysis of Novel Mouse Wtx Mutant Alleles. <i>Journal of Bone and Mineral Research</i> , 2018 , 33, 875-887	6.3	5
145	Liver lipid metabolism is altered by increased circulating estrogen to androgen ratio in male mouse. <i>Journal of Proteomics</i> , 2016 , 133, 66-75	3.9	5
144	Does enamelin have pleiotropic effects on organs other than the teeth? Lessons from a phenotyping screen of two enamelin-mutant mouse lines. <i>European Journal of Oral Sciences</i> , 2012 , 120, 269-77	2.3	5
143	Evaluating the Calibration and Power of Three Gene-Based Association Tests of Rare Variants for the X Chromosome. <i>Genetic Epidemiology</i> , 2015 , 39, 499-508	2.6	5
142	No evidence for genome-wide interactions on plasma fibrinogen by smoking, alcohol consumption and body mass index: results from meta-analyses of 80,607 subjects. <i>PLoS ONE</i> , 2014 , 9, e111156	3.7	5
141	Empirical hierarchical bayes approach to gene-environment interactions: development and application to genome-wide association studies of lung cancer in TRICL. <i>Genetic Epidemiology</i> , 2013 , 37, 551-559	2.6	5
140	Carbon-nanoparticle-triggered acute lung inflammation and its resolution are not altered in PPAR δ defective (P465L) mice. <i>Particle and Fibre Toxicology</i> , 2011 , 8, 28	8.4	5
139	Genome-wide search for genes that modulate inflammatory arthritis caused by Ali18 mutation in mice. <i>Mammalian Genome</i> , 2009 , 20, 152-61	3.2	5
138	Utilization of a mutagenesis screen to generate mouse models of hyperaldosteronism. <i>Endocrinology</i> , 2011 , 152, 326-31	4.8	5
137	Generation of ENU-induced mouse mutants with hypocholesterolemia: novel tools for dissecting plasma lipoprotein homeostasis. <i>Lipids</i> , 2007 , 42, 731-7	1.6	5
136	A phenotype-driven ENU mutagenesis screen for the identification of dominant mutations involved in alcohol consumption. <i>Mammalian Genome</i> , 2008 , 19, 77-84	3.2	5
135	Clinical Chemical Screen	87-107	5
134	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. <i>PLoS ONE</i> , 2015 , 10, e0134503	3.7	5
133	Artefacts and Reliability of DNA Microarray Expression Profiling Data. <i>Current Genomics</i> , 2003 , 4, 615-621	1.6	5
132	A truncating Aspm allele leads to a complex cognitive phenotype and region-specific reductions in parvalbuminergic neurons. <i>Translational Psychiatry</i> , 2020 , 10, 66	8.6	5
131	Random ENU mutagenesis. <i>Methods in Molecular Biology</i> , 2003 , 209, 249-66	1.4	5
130	AMPK Subunits Harbor Largely Nonoverlapping Genetic Determinants for Body Fat Mass, Glucose Metabolism, and Cholesterol Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	5
129	Machine Learning Approaches Reveal Metabolic Signatures of Incident Chronic Kidney Disease in Individuals With Prediabetes and Type 2 Diabetes. <i>Diabetes</i> , 2020 , 69, 2756-2765	0.9	5

128	Longitudinal Frequencies of Blood Leukocyte Subpopulations Differ between NOD and NOR Mice but Do Not Predict Diabetes in NOD Mice. <i>Journal of Diabetes Research</i> , 2016 , 2016, 4208156	3.9	5
127	A Polygenic Risk Score of Lipolysis-Increasing Alleles Determines Visceral Fat Mass and Proinsulin Conversion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 1090-1098	5.6	5
126	Crybb2 Mutations Consistently Affect Schizophrenia Endophenotypes in Mice. <i>Molecular Neurobiology</i> , 2019 , 56, 4215-4230	6.2	5
125	Soft windowing application to improve analysis of high-throughput phenotyping data. <i>Bioinformatics</i> , 2020 , 36, 1492-1500	7.2	5
124	Mit Big Data zur personalisierten Diabetesprävention. <i>Diabetologe</i> , 2018 , 14, 486-492	0.2	5
123	Different Effects of Lifestyle Intervention in High- and Low-Risk Prediabetes: Results of the Randomized Controlled Prediabetes Lifestyle Intervention Study (PLIS). <i>Diabetes</i> , 2021 , 70, 2785-2795	0.9	5
122	Systemic Jak1 activation provokes hepatic inflammation and imbalanced FGF23 production and cleavage. <i>FASEB Journal</i> , 2021 , 35, e21302	0.9	5
121	Generation of mice lacking DUF1220 protein domains: effects on fecundity and hyperactivity. <i>Mammalian Genome</i> , 2015 , 26, 33-42	3.2	4
120	Biomedical Research Goes Viral: Dangers and Opportunities. <i>Cell</i> , 2020 , 181, 1189-1193	56.2	4
119	CRN2 binds to TIMP4 and MMP14 and promotes perivascular invasion of glioblastoma cells. <i>European Journal of Cell Biology</i> , 2019 , 98, 151046	6.1	4
118	Standardized, systemic phenotypic analysis of Slc12a1I299F mutant mice. <i>Journal of Biomedical Science</i> , 2014 , 21, 68	13.3	4
117	Fast synchronization of ultradian oscillators controlled by delta-notch signaling with cis-inhibition. <i>PLoS Computational Biology</i> , 2014 , 10, e1003843	5	4
116	Enhanced oxidative stress and endocrine pancreas alterations are linked to a novel glucokinase missense mutation in ENU-derived Munich Gck(D217V) mutants. <i>Molecular and Cellular Endocrinology</i> , 2012 , 362, 139-48	4.4	4
115	Long-term experiment to study the development, interaction, and influencing factors of DEXA parameters. <i>Mammalian Genome</i> , 2013 , 24, 376-88	3.2	4
114	Targeted disruption of the mouse Npal3 gene leads to deficits in behavior, increased IgE levels, and impaired lung function. <i>Cytogenetic and Genome Research</i> , 2009 , 125, 186-200	1.9	4
113	Amelogenesis imperfecta in a new animal model--a mutation in chromosome 5 (human 4q21). <i>Journal of Dental Research</i> , 2004 , 83, 608-12	8.1	4
112	Large-scale albuminuria screen for nephropathy models in chemically induced mouse mutants. <i>Nephron Experimental Nephrology</i> , 2005 , 100, e143-9		4
111	Novel small-eye allele in paired box gene 6 (Pax6) is caused by a point mutation in intron 7 and creates a new exon. <i>Molecular Vision</i> , 2013 , 19, 877-84	2.3	4

110	The (not so) Controversial Role of DNA Methylation in Epigenetic Inheritance Across Generations 2020 , 175-208		4
109	Chemical Mutagenesis in Mice 2007 , 225-260		4
108	In-depth phenotyping reveals common and novel disease symptoms in a hemizygous knock-in mouse model (Mut-ko/ki) of mut-type methylmalonic aciduria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165622	6.9	4
107	Increased Expressions of Matrix Metalloproteinases (MMPs) in Prostate Cancer Tissues of Men with Type 2 Diabetes. <i>Biomedicines</i> , 2020 , 8,	4.8	4
106	Ectopic fat accumulation in human astrocytes impairs insulin action. <i>Royal Society Open Science</i> , 2020 , 7, 200701	3.3	4
105	Genetic Determinants of Electrocardiographic P-Wave Duration and Relation to Atrial Fibrillation. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, 387-395	5.2	4
104	Exome-Wide Association Study Identifies FN3KRP and PGP as New Candidate Longevity Genes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 786-795	6.4	4
103	Detecting heritable phenotypes without a model using fast permutation testing for heritability and set-tests. <i>Nature Communications</i> , 2018 , 9, 4919	17.4	4
102	Genetics of the thrombomodulin-endothelial cell protein C receptor system and the risk of early-onset ischemic stroke. <i>PLoS ONE</i> , 2018 , 13, e0206554	3.7	4
101	Genetic characterization of a mouse line with primary aldosteronism. <i>Journal of Molecular Endocrinology</i> , 2017 , 58, 67-78	4.5	3
100	iTAG-RNA Isolates Cell-Specific Transcriptional Responses to Environmental Stimuli and Identifies an RNA-Based Endocrine Axis. <i>Cell Reports</i> , 2020 , 30, 3183-3194.e4	10.6	3
99	Streptozotocin-induced β -cell damage, high fat diet, and metformin administration regulate Hes3 expression in the adult mouse brain. <i>Scientific Reports</i> , 2018 , 8, 11335	4.9	3
98	Genome-wide screening of mouse knockouts reveals novel genes required for normal integumentary and oculocutaneous structure and function. <i>Scientific Reports</i> , 2019 , 9, 11211	4.9	3
97	Genome-wide Association Study of Change in Fasting Glucose over time in 13,807 non-diabetic European Ancestry Individuals. <i>Scientific Reports</i> , 2019 , 9, 9439	4.9	3
96	Big data in large-scale systemic mouse phenotyping. <i>Current Opinion in Systems Biology</i> , 2017 , 4, 97-104	3.2	3
95	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. <i>PLoS ONE</i> , 2014 , 9, e113125	3.7	3
94	The C-terminal cytoplasmic domain of human proEGF is a negative modulator of body and organ weights in transgenic mice. <i>FEBS Letters</i> , 2009 , 583, 1349-57	3.8	3
93	N-ethyl-N-nitrosourea mutagenesis produced a small number of mice with altered plasma electrolyte levels. <i>Journal of Biomedical Science</i> , 2009 , 16, 53	13.3	3

92	The inner ear phenotype of Volchok (Vlk): An ENU-induced mouse model for CHARGE syndrome. <i>Audiological Medicine</i> , 2010 , 8, 110-119		3
91	Mouse Phenotyping: Immunology237-252		3
90	Behavioral and Neurological Phenotyping in the Mouse135-175		3
89	Genome-wide meta-analysis of phytosterols reveals five novel loci and a detrimental effect on coronary atherosclerosis.. <i>Nature Communications</i> , 2022 , 13, 143	17.4	3
88	A resource of targeted mutant mouse lines for 5,061 genes		3
87	PAX6 mutation alters circadian rhythm and β cell function in mice without affecting glucose tolerance. <i>Communications Biology</i> , 2020 , 3, 628	6.7	3
86	Transcript Levels of Aldo-Keto Reductase Family 1 Subfamily C (AKR1C) Are Increased in Prostate Tissue of Patients with Type 2 Diabetes. <i>Journal of Personalized Medicine</i> , 2020 , 10,	3.6	3
85	Ionising radiation causes vision impairment in neonatal B6C3F1 mice. <i>Experimental Eye Research</i> , 2021 , 204, 108432	3.7	3
84	Disruption of paternal circadian rhythm affects metabolic health in male offspring via nongerm cell factors. <i>Science Advances</i> , 2021 , 7,	14.3	3
83	A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. <i>Nature Communications</i> , 2021 , 12, 3987	17.4	3
82	Credl1 regulates myocardial development and function. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 156, 45-56	5.8	3
81	Viable Ednra mice feature human mandibulofacial dysostosis with alopecia (MFDA) syndrome due to the homologue mutation. <i>Mammalian Genome</i> , 2016 , 27, 587-598	3.2	3
80	Offspring born to influenza A virus infected pregnant mice have increased susceptibility to viral and bacterial infections in early life. <i>Nature Communications</i> , 2021 , 12, 4957	17.4	3
79	Costs of Implementing Quality in Research Practice. <i>Handbook of Experimental Pharmacology</i> , 2020 , 257, 399-423	3.2	2
78	Mutation in the mouse histone gene Hist2h3c1 leads to degeneration of the lens vesicle and severe microphthalmia. <i>Experimental Eye Research</i> , 2019 , 188, 107632	3.7	2
77	Screen for alterations of iron related parameters in N-ethyl-N-nitrosourea-treated mice identified mutant lines with increased plasma ferritin levels. <i>BioMetals</i> , 2015 , 28, 293-306	3.4	2
76	High throughput phenotyping of left and right ventricular cardiomyopathy in calcineurin transgene mice. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 669-79	2.5	2
75	A systemic view on the distribution of diet-derived methanol and hepatic acetone in mice. <i>Journal of Breath Research</i> , 2017 , 12, 017102	3.1	2

74	The German Mouse Clinic [Running an Open Access Platform 2011 , 11-44		2
73	EGFR ligands exert diverging effects on male reproductive organs. <i>Experimental and Molecular Pathology</i> , 2010 , 88, 216-8	4.4	2
72	Metabolic phenotyping of mouse mutants in the German Mouse Clinic. <i>Integrative Zoology</i> , 2006 , 1, 122-5.9		2
71	Use of chemical mutagenesis in mouse embryonic stem cells. <i>Methods in Molecular Biology</i> , 2006 , 329, 397-407	1.4	2
70	Phenotyping Allergy in the Laboratory Mouse 253-281		2
69	Eye Disorders 283-309		2
68	In vitro fertilization/cryopreservation. <i>Methods in Molecular Biology</i> , 2003 , 209, 35-50	1.4	2
67	The Emerging Role of Mitochondrial Dynamics in Viral Hepatitis 2015 , 354-375		2
66	META-GSA: Combining Findings from Gene-Set Analyses across Several Genome-Wide Association Studies. <i>PLoS ONE</i> , 2015 , 10, e0140179	3.7	2
65	Rare variant analysis in eczema identifies exonic variants in DUSP1, NOTCH4 and SLC9A4. <i>Nature Communications</i> , 2021 , 12, 6618	17.4	2
64	AMPK subunits harbor largely non-overlapping genetic determinants for body fat mass, glucose- and cholesterol metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> ,	5.6	2
63	Dietary intervention improves health metrics and life expectancy of the genetically obese DU6 (Titan) mouse		2
62	Private variants in PRKN are associated with late-onset Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2020 , 75, 24-26	3.6	2
61	Mouse Age Matters: How Age Affects the Murine Plasma Metabolome. <i>Metabolites</i> , 2020 , 10,	5.6	2
60	Characterization of Hormone-Dependent Pathways in Six Human Prostate-Cancer Cell Lines: A Gene-Expression Study. <i>Genes</i> , 2020 , 11,	4.2	2
59	Deoxyribonuclease 1 Q222R single nucleotide polymorphism and long-term mortality after acute myocardial infarction. <i>Basic Research in Cardiology</i> , 2021 , 116, 29	11.8	2
58	Comparison of genetic risk prediction models to improve prediction of coronary heart disease in two large cohorts of the MONICA/KORA study. <i>Genetic Epidemiology</i> , 2021 , 45, 633-650	2.6	2
57	Dusp8 affects hippocampal size and behavior in mice and humans. <i>Scientific Reports</i> , 2019 , 9, 19483	4.9	2

56	Shared Genetics of Multiple System Atrophy and Inflammatory Bowel Disease. <i>Movement Disorders</i> , 2021 , 36, 449-459	7	2
55	DZDconnect: mit vernetzten Daten gegen Diabetes. <i>Diabetologie</i> , 1	0.2	2
54	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy 2022 , 1, 157-173		2
53	Extensive phenotypic characterization of a new transgenic mouse reveals pleiotropic perturbations in physiology due to mesenchymal hGH minigene expression. <i>Scientific Reports</i> , 2017 , 7, 2397	4.9	1
52	Physiological relevance of the neuronal isoform of inositol-1,4,5-trisphosphate 3-kinases in mice. <i>Neuroscience Letters</i> , 2020 , 735, 135206	3.3	1
51	PATHBIO: an international training program for precision mouse phenotyping. <i>Mammalian Genome</i> , 2020 , 31, 49-53	3.2	1
50	In vitro analysis of bone phenotypes in Col1a1 and Jagged1 mutant mice using a standardized osteoblast cell culture system. <i>Journal of Bone and Mineral Metabolism</i> , 2013 , 31, 293-303	2.9	1
49	Data on the effects of eIF6 downmodulation on the proportions of innate and adaptive immune system cell subpopulations and on thymocyte maturation. <i>Data in Brief</i> , 2017 , 14, 653-658	1.2	1
48	Mouse Genetics and Metabolic Mouse Phenotyping 2012 , 85-106		1
47	Sperm cryopreservation and in vitro fertilization. <i>Methods in Molecular Biology</i> , 2009 , 530, 407-20	1.4	1
46	Emergency prevention of extinction of a transgenic allele in a less-fertile transgenic mouse line by crossing with an inbred or outbred mouse strain coupled with assisted reproductive technologies. <i>Reproduction, Fertility and Development</i> , 2007 , 19, 984-94	1.8	1
45	Cardiovascular Disorders: Insights into In Vivo Cardiovascular Phenotyping 177-199		1
44	Susceptibility to diet-induced obesity at thermoneutral conditions is independent of UCP1.. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 ,	6	1
43	Differential Effects of Insulin-Deficient Diabetes Mellitus on Visceral vs. Subcutaneous Adipose Tissue-Multi-omics Insights From the Munich MIDY Pig Model. <i>Frontiers in Medicine</i> , 2021 , 8, 751277	4.9	1
42	Protein-Coding Variants Implicate Novel Genes Related to Lipid Homeostasis Contributing to Body Fat Distribution		1
41	A comprehensive phenotypic characterization of a whole-body Wdr45 knock-out mouse. <i>Mammalian Genome</i> , 2021 , 32, 332-349	3.2	1
40	Impact of Brain Fatty Acid Signaling on Peripheral Insulin Action in Mice. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2020 , 128, 20-29	2.3	1
39	Diabetes type 2 risk gene Dusp8 is associated with altered sucrose reward behavior in mice and humans. <i>Brain and Behavior</i> , 2021 , 11, e01928	3.4	1

38	Unbiased analysis of obesity related, fat depot specific changes of adipocyte volumes and numbers using light sheet fluorescence microscopy. <i>PLoS ONE</i> , 2021 , 16, e0248594	3.7	1
37	pulver: an R package for parallel ultra-rapid p-value computation for linear regression interaction terms. <i>BMC Bioinformatics</i> , 2017 , 18, 429	3.6	0
36	Exploration of Metabolic and Endocrine Function in the Mouse109-133		0
35	Skeletal muscle phenotyping of Hippo gene-mutated mice reveals that Lats1 deletion increases the percentage of type I muscle fibers.. <i>Transgenic Research</i> , 2022 , 31, 227	3.3	0
34	Characterising a homozygous two-exon deletion in UQCRH: comparing human and mouse phenotypes. <i>EMBO Molecular Medicine</i> , 2021 , 13, e14397	12	0
33	Exercise prevents fatty liver by modifying the compensatory response of mitochondrial metabolism to excess substrate availability. <i>Molecular Metabolism</i> , 2021 , 101359	8.8	0
32	INFRAFRONTIER quality principles in systemic phenotyping. <i>Mammalian Genome</i> , 2021 , 1	3.2	0
31	A point mutation in the Pdia6 gene results in loss of pancreatic β -cell identity causing overt diabetes. <i>Molecular Metabolism</i> , 2021 , 54, 101334	8.8	0
30	The German Gestational Diabetes Study (PREG), a prospective multicentre cohort study: rationale, methodology and design.. <i>BMJ Open</i> , 2022 , 12, e058268	3	0
29	Does a Hypertrophying Muscle Fibre Reprogramme its Metabolism Similar to a Cancer Cell?. <i>Sports Medicine</i> , 2022 , 1	10.6	0
28	Mice lacking the mitochondrial exonuclease MGME1 develop inflammatory kidney disease with glomerular dysfunction.. <i>PLoS Genetics</i> , 2022 , 18, e1010190	6	0
27	5 Jahre erfolgreiche translationale Forschung Deutsches Zentrum für Diabetesforschung. <i>Diabetes Aktuell</i> , 2015 , 13, 58-62	0	
26	Epigenetische Vererbung Ist die Zukunft diabetisch?. <i>Diabetes Aktuell</i> , 2015 , 13, 72-74	0	
25	The occurrence of tarsal injuries in male mice of C57BL/6N substrains in multiple international mouse facilities. <i>PLoS ONE</i> , 2020 , 15, e0230162	3.7	
24	Murine tissue factor disulfide mutation causes a bleeding phenotype with sex specific organ pathology and lethality. <i>Haematologica</i> , 2020 , 105, 2484-2495	6.6	
23	Ex-vivo assessment and non-invasive in vivo imaging of internal hemorrhages in Aga2/+ mutant mice. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 432, 389-93	3.4	
22	Ernährungsgewohnheiten schlagen sich im Erbgut nieder. <i>Diabetes Aktuell</i> , 2017 , 15, 104-107	0	
21	Genomic characterization of mutant laboratory mouse strains by exome sequencing and annotation lift-over. <i>BMC Genomics</i> , 2015 , 16, 351	4.5	

20	Forschen für eine Zukunft ohne Diabetes - Deutsches Zentrum für Diabetesforschung. <i>Diabetes Aktuell</i> , 2012 , 10, 106-110	0
19	Molecular Phenotyping: Gene Expression Profiling 15-34	
18	Characterizing Hearing in Mice 1-14	
17	Phenotyping of Host-Pathogen Interactions in Mice 201-219	
16	From developmental biology to developmental toxicology. <i>Annals of the New York Academy of Sciences</i> , 2000 , 919, 239-45	6.5
15	Genetische Prädispositionen für erhöhte Blutcholesterinwerte im Mausmodell. <i>Biologie in Unserer Zeit</i> , 2005 , 35, 14-15	0.1
14	Large-Scale N-Ethyl-N-Nitrosourea Mutagenesis of Mice [From Phenotypes to Genes. <i>Experimental Physiology</i> , 2000 , 85, 635-643	2.4
13	Animal welfare 2022 , 81-111	
12	Neues aus der Diabetesforschung. <i>Diabetologe</i> , 2020 , 16, 627-629	0.2
11	Gemeinsam schneller vom Labor zum Patient. <i>Diabetes Aktuell</i> , 2021 , 19, 54-54	0
10	Einfluss von Genetik und Epigenetik auf die Entstehung von Diabetes. <i>Diabetes Aktuell</i> , 2021 , 19, 62-65	0
9	Moving forward with forward genetics: A summary of the INFRAFRONTIER Forward Genetics Panel Discussion.. <i>F1000Research</i> , 2021 , 10, 456	3.6
8	ExomeChip-based rare variant association study in restless legs syndrome.. <i>Sleep Medicine</i> , 2022 , 94, 26-30	4.6
7	Mit Big Data zu einer gezielteren Diabetes-Prävention und -Therapie. <i>Diabetologe</i> , 2021 , 17, 777-779	0.2
6	Veranlagung und Lebensstil – die Komplexität des Diabetes mellitus [Langerhans-Medaille 2021] – eine Kurzübersicht über den Preisträger Martin Hrabčáková Angelis. <i>Diabetologie Und Stoffwechsel</i> , 2021 , 16, 473-475	0.7
5	High-throughput discovery of genetic determinants of circadian misalignment 2020 , 16, e1008577	
4	High-throughput discovery of genetic determinants of circadian misalignment 2020 , 16, e1008577	
3	High-throughput discovery of genetic determinants of circadian misalignment 2020 , 16, e1008577	

2 High-throughput discovery of genetic determinants of circadian misalignment **2020**, 16, e1008577

1 Dietary intervention improves health metrics and life expectancy of the genetically obese Titan mouse.. *Communications Biology*, **2022**, 5, 408

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