

# Martin Hrabe de Angelis

## List of Publications by Year in Descending Order

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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	Skeletal muscle phenotyping of Hippo gene-mutated mice reveals that Lats1 deletion increases the percentage of type I muscle fibers.. <i>Transgenic Research</i> , <b>2022</b> , 31, 227	3.3	0
684	Genome-wide meta-analysis of phytosterols reveals five novel loci and a detrimental effect on coronary atherosclerosis.. <i>Nature Communications</i> , <b>2022</b> , 13, 143	17.4	3
683	Animal welfare <b>2022</b> , 81-111		
682	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy <b>2022</b> , 1, 157-173		2
681	The German Gestational Diabetes Study (PREG), a prospective multicentre cohort study: rationale, methodology and design.. <i>BMJ Open</i> , <b>2022</b> , 12, e058268	3	0
680	ExomeChip-based rare variant association study in restless legs syndrome.. <i>Sleep Medicine</i> , <b>2022</b> , 94, 26-30	4.6	
679	Does a Hypertrophying Muscle Fibre Reprogramme its Metabolism Similar to a Cancer Cell?. <i>Sports Medicine</i> , <b>2022</b> , 1	10.6	0
678	Dietary intervention improves health metrics and life expectancy of the genetically obese Titan mouse.. <i>Communications Biology</i> , <b>2022</b> , 5, 408	6.7	
677	Mice lacking the mitochondrial exonuclease MGME1 develop inflammatory kidney disease with glomerular dysfunction.. <i>PLoS Genetics</i> , <b>2022</b> , 18, e1010190	6	0
676	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> , <b>2021</b> ,	3.1	6
675	Susceptibility to diet-induced obesity at thermoneutral conditions is independent of UCP1.. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2021</b> ,	6	1
674	Characterising a homozygous two-exon deletion in UQCRH: comparing human and mouse phenotypes. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e14397	12	0
673	Rare variant analysis in eczema identifies exonic variants in DUSP1, NOTCH4 and SLC9A4. <i>Nature Communications</i> , <b>2021</b> , 12, 6618	17.4	2
672	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> , <b>2021</b> , 8, 751277	4.9	1
671	Exercise prevents fatty liver by modifying the compensatory response of mitochondrial metabolism to excess substrate availability. <i>Molecular Metabolism</i> , <b>2021</b> , 101359	8.8	0
670	COVID-19 and metabolic disease: mechanisms and clinical management. <i>Lancet Diabetes and Endocrinology</i> , <b>2021</b> , 9, 786-798	18.1	33
669	Ionising radiation causes vision impairment in neonatal B6C3F1 mice. <i>Experimental Eye Research</i> , <b>2021</b> , 204, 108432	3.7	3

668	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> , <b>2021</b> , 42, 2000-2011	9.5	14
667	Deoxyribonuclease 1 Q222R single nucleotide polymorphism and long-term mortality after acute myocardial infarction. <i>Basic Research in Cardiology</i> , <b>2021</b> , 116, 29	11.8	2
666	Gemeinsam schneller vom Labor zum Patient. <i>Diabetes Aktuell</i> , <b>2021</b> , 19, 54-54	0	
665	A resource of targeted mutant mouse lines for 5,061 genes. <i>Nature Genetics</i> , <b>2021</b> , 53, 416-419	36.3	22
664	Einfluss von Genetik und Epigenetik auf die Entstehung von Diabetes. <i>Diabetes Aktuell</i> , <b>2021</b> , 19, 62-65	0	
663	Cis-epistasis at the LPA locus and risk of cardiovascular diseases. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	6
662	A comprehensive phenotypic characterization of a whole-body Wdr45 knock-out mouse. <i>Mammalian Genome</i> , <b>2021</b> , 32, 332-349	3.2	1
661	Disruption of paternal circadian rhythm affects metabolic health in male offspring via nongerm cell factors. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	3
660	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> , <b>2021</b> , 45, 633-650	2.6	2
659	A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. <i>Nature Communications</i> , <b>2021</b> , 12, 3987	17.4	3
658	Moving forward with forward genetics: A summary of the INFRAFRONTIER Forward Genetics Panel Discussion.. <i>F1000Research</i> , <b>2021</b> , 10, 456	3.6	
657	Chronically elevated branched chain amino acid levels are pro-arrhythmic. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	6
656	Crel1 regulates myocardial development and function. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2021</b> , 156, 45-56	5.8	3
655	Growth hormone receptor knockout to reduce the size of donor pigs for preclinical xenotransplantation studies. <i>Xenotransplantation</i> , <b>2021</b> , 28, e12664	2.8	10
654	Diabetes type 2 risk gene Dusp8 is associated with altered sucrose reward behavior in mice and humans. <i>Brain and Behavior</i> , <b>2021</b> , 11, e01928	3.4	1
653	Dose-dependent long-term effects of a single radiation event on behaviour and glial cells. <i>International Journal of Radiation Biology</i> , <b>2021</b> , 97, 156-169	2.9	7
652	Shared Genetics of Multiple System Atrophy and Inflammatory Bowel Disease. <i>Movement Disorders</i> , <b>2021</b> , 36, 449-459	7	2
651	Pathophysiology-based subphenotyping of individuals at elevated risk for type 2 diabetes. <i>Nature Medicine</i> , <b>2021</b> , 27, 49-57	50.5	68

650	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> , <b>2021</b> , 76, 786-795	6.4	4
649	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , <b>2021</b> , 12, 24	17.4	30
648	DNA methylation and lipid metabolism: an EWAS of 226 metabolic measures. <i>Clinical Epigenetics</i> , <b>2021</b> , 13, 7	7.7	11
647	Unbiased analysis of obesity related, fat depot specific changes of adipocyte volumes and numbers using light sheet fluorescence microscopy. <i>PLoS ONE</i> , <b>2021</b> , 16, e0248594	3.7	1
646	INFRAFRONTIER quality principles in systemic phenotyping. <i>Mammalian Genome</i> , <b>2021</b> , 1	3.2	0
645	Offspring born to influenza A virus infected pregnant mice have increased susceptibility to viral and bacterial infections in early life. <i>Nature Communications</i> , <b>2021</b> , 12, 4957	17.4	3
644	Hyperexcitable interneurons trigger cortical spreading depression in an Scn1a migraine model. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	6
643	Different Effects of Lifestyle Intervention in High- and Low-Risk Prediabetes: Results of the Randomized Controlled Prediabetes Lifestyle Intervention Study (PLIS). <i>Diabetes</i> , <b>2021</b> , 70, 2785-2795	0.9	5
642	A point mutation in the Pdia6 gene results in loss of pancreatic $\beta$ -cell identity causing overt diabetes. <i>Molecular Metabolism</i> , <b>2021</b> , 54, 101334	8.8	0
641	Large-scale cis- and trans-eQTL analyses identify thousands of genetic loci and polygenic scores that regulate blood gene expression. <i>Nature Genetics</i> , <b>2021</b> , 53, 1300-1310	36.3	60
640	Systemic Jak1 activation provokes hepatic inflammation and imbalanced FGF23 production and cleavage. <i>FASEB Journal</i> , <b>2021</b> , 35, e21302	0.9	5
639	Mit Big Data zu einer gezielteren Diabetes-Prävention und -Therapie. <i>Diabetologe</i> , <b>2021</b> , 17, 777-779	0.2	
638	Veranlagung und Lebensstil – die Komplexität des Diabetes mellitus [Langerhans-Medaille 2021] – eine Kurzübersicht über den Preisträger Martin Hrabě de Angelis. <i>Diabetologie Und Stoffwechsel</i> , <b>2021</b> , 16, 473-475	0.7	
637	Costs of Implementing Quality in Research Practice. <i>Handbook of Experimental Pharmacology</i> , <b>2020</b> , 257, 399-423	3.2	2
636	Inhibition of LTR signalling activates WNT-induced regeneration in lung. <i>Nature</i> , <b>2020</b> , 588, 151-156	50.4	26
635	Biomedical Research Goes Viral: Dangers and Opportunities. <i>Cell</i> , <b>2020</b> , 181, 1189-1193	56.2	4
634	The occurrence of tarsal injuries in male mice of C57BL/6N substrains in multiple international mouse facilities. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230162	3.7	
633	Murine tissue factor disulfide mutation causes a bleeding phenotype with sex specific organ pathology and lethality. <i>Haematologica</i> , <b>2020</b> , 105, 2484-2495	6.6	

632	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> , <b>2020</b> , 140, 121-142	14.3	14
631	iTAG-RNA Isolates Cell-Specific Transcriptional Responses to Environmental Stimuli and Identifies an RNA-Based Endocrine Axis. <i>Cell Reports</i> , <b>2020</b> , 30, 3183-3194.e4	10.6	3
630	Physiological relevance of the neuronal isoform of inositol-1,4,5-trisphosphate 3-kinases in mice. <i>Neuroscience Letters</i> , <b>2020</b> , 735, 135206	3.3	1
629	Mutation in Bmpr1b Leads to Optic Disc Coloboma and Ventral Retinal Gliosis in Mice <b>2020</b> , 61, 44		5
628	A comprehensive and comparative phenotypic analysis of the collaborative founder strains identifies new and known phenotypes. <i>Mammalian Genome</i> , <b>2020</b> , 31, 30-48	3.2	8
627	Genetic Susceptibility for Atrial Fibrillation in Patients Undergoing Atrial Fibrillation Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2020</b> , 13, e007676	6.4	12
626	PATHBIO: an international training program for precision mouse phenotyping. <i>Mammalian Genome</i> , <b>2020</b> , 31, 49-53	3.2	1
625	High-throughput discovery of genetic determinants of circadian misalignment. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1008577	6	9
624	Irp2 regulates insulin production through iron-mediated Cdkal1-catalyzed tRNA modification. <i>Nature Communications</i> , <b>2020</b> , 11, 296	17.4	28
623	Endogenous FGF21-signaling controls paradoxical obesity resistance of UCP1-deficient mice. <i>Nature Communications</i> , <b>2020</b> , 11, 624	17.4	26
622	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> , <b>2020</b> , 339, 108744	3	6
621	Nutrition and its role in epigenetic inheritance of obesity and diabetes across generations. <i>Mammalian Genome</i> , <b>2020</b> , 31, 119-133	3.2	16
620	Rare Variants in Specific Lysosomal Genes Are Associated With Parkinson's Disease. <i>Movement Disorders</i> , <b>2020</b> , 35, 1245-1248	7	23
619	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> , <b>2020</b> , 36, 100978	8.8	12
618	The rRNA m <sup>6</sup> A methyltransferase METTL5 is involved in pluripotency and developmental programs. <i>Genes and Development</i> , <b>2020</b> , 34, 715-729	12.6	45
617	Type 2 diabetes risk gene Dusp8 regulates hypothalamic Jnk signaling and insulin sensitivity. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 6093-6108	15.9	9
616	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1009190	6	8
615	The (not so) Controversial Role of DNA Methylation in Epigenetic Inheritance Across Generations <b>2020</b> , 175-208		4

614	Private variants in PRKN are associated with late-onset Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2020</b> , 75, 24-26	3.6	2
613	A truncating Aspm allele leads to a complex cognitive phenotype and region-specific reductions in parvalbuminergic neurons. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 66	8.6	5
612	Human and mouse essentiality screens as a resource for disease gene discovery. <i>Nature Communications</i> , <b>2020</b> , 11, 655	17.4	25
611	Integrative clinical transcriptome analysis reveals Tmprss2-ERG dependency of prognostic biomarkers in prostate adenocarcinoma. <i>International Journal of Cancer</i> , <b>2020</b> , 146, 2036-2046	7.5	7
610	Protein-coding variants contribute to the risk of atopic dermatitis and skin-specific gene expression. <i>Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 145, 1208-1218	11.5	19
609	Spectral domain - Optical coherence tomography (SD-OCT) as a monitoring tool for alterations in mouse lenses. <i>Experimental Eye Research</i> , <b>2020</b> , 190, 107871	3.7	8
608	AMPK Subunits Harbor Largely Nonoverlapping Genetic Determinants for Body Fat Mass, Glucose Metabolism, and Cholesterol Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2020</b> , 105,	5.6	5
607	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> , <b>2020</b> , 1866, 165622	6.9	4
606	Machine Learning Approaches Reveal Metabolic Signatures of Incident Chronic Kidney Disease in Individuals With Prediabetes and Type 2 Diabetes. <i>Diabetes</i> , <b>2020</b> , 69, 2756-2765	0.9	5
605	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , <b>2020</b> , 52, 1314-1332	36.3	26
604	Mouse Age Matters: How Age Affects the Murine Plasma Metabolome. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	2
603	Increased Expressions of Matrix Metalloproteinases (MMPs) in Prostate Cancer Tissues of Men with Type 2 Diabetes. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	4
602	Increased mitochondrial respiration of adipocytes from metabolically unhealthy obese compared to healthy obese individuals. <i>Scientific Reports</i> , <b>2020</b> , 10, 12407	4.9	11
601	Neues aus der Diabetesforschung. <i>Diabetologe</i> , <b>2020</b> , 16, 627-629	0.2	
600	PAX6 mutation alters circadian rhythm and $\beta$ cell function in mice without affecting glucose tolerance. <i>Communications Biology</i> , <b>2020</b> , 3, 628	6.7	3
599	Characterization of Hormone-Dependent Pathways in Six Human Prostate-Cancer Cell Lines: A Gene-Expression Study. <i>Genes</i> , <b>2020</b> , 11,	4.2	2
598	Increased estrogen to androgen ratio enhances immunoglobulin levels and impairs B cell function in male mice. <i>Scientific Reports</i> , <b>2020</b> , 10, 18334	4.9	6
597	Ectopic fat accumulation in human astrocytes impairs insulin action. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 200701	3.3	4

596	Phosphorylation Control of p53 DNA-Binding Cooperativity Balances Tumorigenesis and Aging. <i>Cancer Research</i> , <b>2020</b> , 80, 5231-5244	10.1	9
595	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> , <b>2020</b> , 10,	3.6	3
594	METTL6 is a tRNA mC methyltransferase that regulates pluripotency and tumor cell growth. <i>Science Advances</i> , <b>2020</b> , 6, eaaz4551	14.3	26
593	Genetic Determinants of Electrocardiographic P-Wave Duration and Relation to Atrial Fibrillation. <i>Circulation Genomic and Precision Medicine</i> , <b>2020</b> , 13, 387-395	5.2	4
592	Impact of Brain Fatty Acid Signaling on Peripheral Insulin Action in Mice. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2020</b> , 128, 20-29	2.3	1
591	Meta-analysis of up to 622,409 individuals identifies 40 novel smoking behaviour associated genetic loci. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 2392-2409	15.1	45
590	Soft windowing application to improve analysis of high-throughput phenotyping data. <i>Bioinformatics</i> , <b>2020</b> , 36, 1492-1500	7.2	5
589	Glutathione peroxidase 4 and vitamin E control reticulocyte maturation, stress erythropoiesis and iron homeostasis. <i>Haematologica</i> , <b>2020</b> , 105, 937-950	6.6	23
588	DLL1- and DLL4-Mediated Notch Signaling Is Essential for Adult Pancreatic Islet Homeostasis. <i>Diabetes</i> , <b>2020</b> , 69, 915-926	0.9	15
587	High-throughput discovery of genetic determinants of circadian misalignment <b>2020</b> , 16, e1008577		
586	High-throughput discovery of genetic determinants of circadian misalignment <b>2020</b> , 16, e1008577		
585	High-throughput discovery of genetic determinants of circadian misalignment <b>2020</b> , 16, e1008577		
584	High-throughput discovery of genetic determinants of circadian misalignment <b>2020</b> , 16, e1008577		
583	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. <i>Nature Communications</i> , <b>2019</b> , 10, 4130	17.4	43
582	Claudin-12 is not required for blood-brain barrier tight junction function. <i>Fluids and Barriers of the CNS</i> , <b>2019</b> , 16, 30	7	31
581	Cognitive impairment and autistic-like behaviour in SAPAP4-deficient mice. <i>Translational Psychiatry</i> , <b>2019</b> , 9, 7	8.6	10
580	Genome-wide association meta-analysis of 30,000 samples identifies seven novel loci for quantitative ECG traits. <i>European Journal of Human Genetics</i> , <b>2019</b> , 27, 952-962	5.3	18
579	Multi-omics insights into functional alterations of the liver in insulin-deficient diabetes mellitus. <i>Molecular Metabolism</i> , <b>2019</b> , 26, 30-44	8.8	18

578	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> , <b>2019</b> , 116, 11872-11877	11.5	15
577	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. <i>Nature</i> , <b>2019</b> , 570, 71-76	50.4	129
576	Low catalytic activity is insufficient to induce disease pathology in triosephosphate isomerase deficiency. <i>Journal of Inherited Metabolic Disease</i> , <b>2019</b> , 42, 839-849	5.4	5
575	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. <i>Nature Genetics</i> , <b>2019</b> , 51, 804-814	36.3	181
574	Mutation in the mouse histone gene <i>Hist2h3c1</i> leads to degeneration of the lens vesicle and severe microphthalmia. <i>Experimental Eye Research</i> , <b>2019</b> , 188, 107632	3.7	2
573	Genes Whose Gain or Loss-of-Function Increases Endurance Performance in Mice: A Systematic Literature Review. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 262	4.6	11
572	IL-4 receptor 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> , <b>2019</b> , 74, 1549-1560	9.3	18
571	Genome-wide screening of mouse knockouts reveals novel genes required for normal integumentary and oculocutaneous structure and function. <i>Scientific Reports</i> , <b>2019</b> , 9, 11211	4.9	3
570	Genome-wide Association Study of Change in Fasting Glucose over time in 13,807 non-diabetic European Ancestry Individuals. <i>Scientific Reports</i> , <b>2019</b> , 9, 9439	4.9	3
569	Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 3118-3131	15.1	12
568	CRN2 binds to TIMP4 and MMP14 and promotes perivascular invasion of glioblastoma cells. <i>European Journal of Cell Biology</i> , <b>2019</b> , 98, 151046	6.1	4
567	Hepatic Rab24 controls blood glucose homeostasis via improving mitochondrial plasticity. <i>Nature Metabolism</i> , <b>2019</b> , 1, 1009-1026	14.6	13
566	Calcium-dependent blood-brain barrier breakdown by NOX5 limits postreperfusion benefit in stroke. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 1772-1778	15.9	34
565	A Polygenic Risk Score of Lipolysis-Increasing Alleles Determines Visceral Fat Mass and Proinsulin Conversion. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 1090-1098	5.6	5
564	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , <b>2019</b> , 51, 452-469	36.3	44
563	Mild maternal hyperglycemia in transgenic pigs causes impaired glucose tolerance and metabolic alterations in neonatal offspring. <i>DMM Disease Models and Mechanisms</i> , <b>2019</b> , 12,	4.1	6
562	Dusp8 affects hippocampal size and behavior in mice and humans. <i>Scientific Reports</i> , <b>2019</b> , 9, 19483	4.9	2
561	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> , <b>2019</b> , 1865, 2083-2093	6.9	12



560	Alternative oxidase-mediated respiration prevents lethal mitochondrial cardiomyopathy. <i>EMBO Molecular Medicine</i> , <b>2019</b> , 11,	12	31
559	Preadipocytes of obese humans display gender-specific bioenergetic responses to glucose and insulin. <i>Molecular Metabolism</i> , <b>2019</b> , 20, 28-37	8.8	9
558	Crybb2 Mutations Consistently Affect Schizophrenia Endophenotypes in Mice. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 4215-4230	6.2	5
557	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> , <b>2018</b> , 115, E2348-E2357	11.5	65
556	Cholesterol metabolism promotes B-cell positioning during immune pathogenesis of chronic obstructive pulmonary disease. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10,	12	20
555	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. <i>Scientific Reports</i> , <b>2018</b> , 8, 5975	4.9	6
554	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , <b>2018</b> , 50, 559-571	36.3	221
553	Micro-imaging of Brain Cancer Radiation Therapy Using Phase-contrast Computed Tomography. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 101, 965-984	4	15
552	Genome-wide analysis of PDX1 target genes in human pancreatic progenitors. <i>Molecular Metabolism</i> , <b>2018</b> , 9, 57-68	8.8	40
551	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> , <b>2018</b> , 11, e005762	6.4	11
550	Epigallocatechin gallate (EGCG) reduces the intensity of pancreatic amyloid fibrils in human islet amyloid polypeptide (hIAPP) transgenic mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 1116	4.9	28
549	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , <b>2018</b> , 14, 140-162	15.2	330
548	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , <b>2018</b> , 9, 288	17.4	48
547	The effect of differentiation and TGF $\beta$ on mitochondrial respiration and mitochondrial enzyme abundance in cultured primary human skeletal muscle cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 737	4.9	14
546	Maternal whole blood cell miRNA-340 is elevated in gestational diabetes and inversely regulated by glucose and insulin. <i>Scientific Reports</i> , <b>2018</b> , 8, 1366	4.9	20
545	Faim2 contributes to neuroprotection by erythropoietin in transient brain ischemia. <i>Journal of Neurochemistry</i> , <b>2018</b> , 145, 258-270	6	13
544	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> , <b>2018</b> , 33, 875-887	6.3	5
543	High-throughput extraction and quantification method for targeted metabolomics in murine tissues. <i>Metabolomics</i> , <b>2018</b> , 14, 18	4.7	45

542	hIAPP forms toxic oligomers in plasma. <i>Chemical Communications</i> , <b>2018</b> , 54, 5426-5429	5.8	19
541	Pharmacogenetics of oral antidiabetic therapy. <i>Pharmacogenomics</i> , <b>2018</b> , 19, 577-587	2.6	9
540	Rapid and transient oxygen consumption increase following acute HDAC/KDAC inhibition in <i>Drosophila</i> tissue. <i>Scientific Reports</i> , <b>2018</b> , 8, 4199	4.9	7
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2 A resource of targeted mutant mouse lines for 5,061 genes 3

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