

Wolfgang Wurst

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.

389
papers

28,001
citations

83
h-index

153
g-index

412
ext. papers

32,790
ext. citations

10.1
avg, IF

6.53
L-index

#	Paper	IF	Citations
389	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy 2022 , 1, 157-173		2
388	Parkinson's disease motor symptoms rescue by CRISPRa-reprogramming astrocytes into GABAergic neurons.. <i>EMBO Molecular Medicine</i> , 2022 , e14797	12	0
387	Chapter 5 - "Parkinson's disease - A role of non-enzymatic posttranslational modifications in disease onset and progression?". <i>Molecular Aspects of Medicine</i> , 2022 , 101096	16.7	1
386	Susceptibility to diet-induced obesity at thermoneutral conditions is independent of UCP1.. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 ,	6	1
385	Characterising a homozygous two-exon deletion in UQCRH: comparing human and mouse phenotypes. <i>EMBO Molecular Medicine</i> , 2021 , 13, e14397	12	0
384	Disrupting Roquin-1 interaction with Regnase-1 induces autoimmunity and enhances antitumor responses. <i>Nature Immunology</i> , 2021 , 22, 1563-1576	19.1	2
383	TRAF6 prevents fatal inflammation by homeostatic suppression of MALT1 protease. <i>Science Immunology</i> , 2021 , 6, eabh2095	28	4
382	Comprehensive miRNome-Wide Profiling in a Neuronal Cell Model of Synucleinopathy Implies Involvement of Cell Cycle Genes. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 561086	5.7	4
381	Mammalian VPS45 orchestrates trafficking through the endosomal system. <i>Blood</i> , 2021 , 137, 1932-1944.2.2		4
380	A resource of targeted mutant mouse lines for 5,061 genes. <i>Nature Genetics</i> , 2021 , 53, 416-419	36.3	22
379	A comprehensive phenotypic characterization of a whole-body Wdr45 knock-out mouse. <i>Mammalian Genome</i> , 2021 , 32, 332-349	3.2	1
378	Mutations in HID1 Cause Syndromic Infantile Encephalopathy and Hypopituitarism. <i>Annals of Neurology</i> , 2021 , 90, 143-158	9.4	1
377	Non-invasive and high-throughput interrogation of exon-specific isoform expression. <i>Nature Cell Biology</i> , 2021 , 23, 652-663	23.4	1
376	CRISPR-Mediated Induction of Neuron-Enriched Mitochondrial Proteins Boosts Direct Glia-to-Neuron Conversion. <i>Cell Stem Cell</i> , 2021 , 28, 524-534.e7	18	8
375	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
374	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
373	Genome editing for Duchenne muscular dystrophy: a glimpse of the future?. <i>Gene Therapy</i> , 2021 , 28, 542-548	4	7

372	Simple and reliable detection of CRISPR-induced on-target effects by qPCR and SNP genotyping. <i>Nature Protocols</i> , 2021 , 16, 1714-1739	18.8	6
371	Mutant non-coding RNA resource in mouse embryonic stem cells. <i>DMM Disease Models and Mechanisms</i> , 2021 , 14,	4.1	2
370	Endoglycan (PODXL2) is proteolytically processed by ADAM10 (a disintegrin and metalloprotease 10) and controls neurite branching in primary neurons. <i>FASEB Journal</i> , 2021 , 35, e21813	0.9	1
369	Determination of morphine and norlaudanosoline in murine brain regions by dispersive liquid-liquid micro-extraction and liquid chromatography-electrochemical detection. <i>Neurochemistry International</i> , 2021 , 150, 105174	4.4	
368	DGK and DZHK position paper on genome editing: basic science applications and future perspective. <i>Basic Research in Cardiology</i> , 2021 , 116, 2	11.8	2
367	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
366	The FTLTD Risk Factor TMEM106B Regulates the Transport of Lysosomes at the Axon Initial Segment of Motoneurons. <i>Cell Reports</i> , 2020 , 30, 3506-3519.e6	10.6	19
365	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
364	Global site-specific neddylation profiling reveals that NEDDylated cofilin regulates actin dynamics. <i>Nature Structural and Molecular Biology</i> , 2020 , 27, 210-220	17.6	33
363	Alpha-synuclein fragments trigger distinct aggregation pathways. <i>Cell Death and Disease</i> , 2020 , 11, 84	9.8	10
362	The rRNA mA methyltransferase METTL5 is involved in pluripotency and developmental programs. <i>Genes and Development</i> , 2020 , 34, 715-729	12.6	45
361	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
360	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. <i>PLoS Genetics</i> , 2020 , 16, e1009190	6	8
359	Ectenin signaling modulates the tempo of dendritic growth of adult-born hippocampal neurons. <i>EMBO Journal</i> , 2020 , 39, e104472	13	3
358	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
357	Human and mouse essentiality screens as a resource for disease gene discovery. <i>Nature Communications</i> , 2020 , 11, 655	17.4	25
356	Sox2 controls Schwann cell self-organization through fibronectin fibrillogenesis. <i>Scientific Reports</i> , 2020 , 10, 1984	4.9	7
355	Mouse brain proteomics establishes MDGA1 and CACHD1 as in vivo substrates of the Alzheimer protease BACE1. <i>FASEB Journal</i> , 2020 , 34, 2465-2482	0.9	10

354	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
353	Dose-Dependent and Subset-Specific Regulation of Midbrain Dopaminergic Neuron Differentiation by LEF1-Mediated WNT1/b-Catenin Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 587778	5.7	4
352	The Alzheimer's disease-associated protective Plc γ -P522R variant promotes immune functions. <i>Molecular Neurodegeneration</i> , 2020 , 15, 52	19	19
351	A patient-based model of RNA mis-splicing uncovers treatment targets in Parkinson's disease. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	10
350	Cell-type-specific profiling of brain mitochondria reveals functional and molecular diversity. <i>Nature Neuroscience</i> , 2019 , 22, 1731-1742	25.5	93
349	Immune homeostasis and regulation of the interferon pathway require myeloid-derived Regnase-3. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1700-1723	16.6	15
348	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
347	A protein quality control pathway regulated by linear ubiquitination. <i>EMBO Journal</i> , 2019 , 38,	13	22
346	The Parkinson's disease-linked Leucine-rich repeat kinase 2 (LRRK2) is required for insulin-stimulated translocation of GLUT4. <i>Scientific Reports</i> , 2019 , 9, 4515	4.9	12
345	Multiple molecular pathways stimulating macroautophagy protect from alpha-synuclein-induced toxicity in human neurons. <i>Neuropharmacology</i> , 2019 , 149, 13-26	5.5	9
344	Dusp8 affects hippocampal size and behavior in mice and humans. <i>Scientific Reports</i> , 2019 , 9, 19483	4.9	2
343	A mouse model for intellectual disability caused by mutations in the X-linked 2'-O-methyltransferase Ftsj1 gene. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2083-2093	6.9	12
342	Crybb2 Mutations Consistently Affect Schizophrenia Endophenotypes in Mice. <i>Molecular Neurobiology</i> , 2019 , 56, 4215-4230	6.2	5
341	miR-191 modulates B-cell development and targets transcription factors E2A, Foxp1, and Egr1. <i>European Journal of Immunology</i> , 2019 , 49, 121-132	6.1	8
340	Zebrafish and medaka offer insights into the neurobehavioral correlates of vertebrate magnetoreception. <i>Nature Communications</i> , 2018 , 9, 802	17.4	16
339	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , 2018 , 9, 288	17.4	48
338	Selenium Utilization by GPX4 Is Required to Prevent Hydroperoxide-Induced Ferroptosis. <i>Cell</i> , 2018 , 172, 409-422.e21	56.2	446
337	Lifetime study in mice after acute low-dose ionizing radiation: a multifactorial study with special focus on cataract risk. <i>Radiation and Environmental Biophysics</i> , 2018 , 57, 99-113	2	23

336	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
335	Analysis of locomotor behavior in the German Mouse Clinic. <i>Journal of Neuroscience Methods</i> , 2018 , 300, 77-91	3	8
334	Fgf9 Mutation Alters Information Processing and Social Memory in Mice. <i>Molecular Neurobiology</i> , 2018 , 55, 4580-4595	6.2	7
333	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
332	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
331	Epigenome-wide DNA methylation profiling in Progressive Supranuclear Palsy reveals major changes at DLX1. <i>Nature Communications</i> , 2018 , 9, 2929	17.4	13
330	Exosomal secretion of β synuclein as protective mechanism after upstream blockage of macroautophagy. <i>Cell Death and Disease</i> , 2018 , 9, 757	9.8	72
329	A Customizable Protocol for String Assembly gRNA Cloning (STAgR). <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
328	The Aryl Hydrocarbon Receptor Pathway Defines the Time Frame for Restorative Neurogenesis. <i>Cell Reports</i> , 2018 , 25, 3241-3251.e5	10.6	16
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	FoxO Function Is Essential for Maintenance of Autophagic Flux and Neuronal Morphogenesis in Adult Neurogenesis. <i>Neuron</i> , 2018 , 99, 1188-1203.e6	13.9	70
325	The Trem2 R47H Alzheimer's risk variant impairs splicing and reduces Trem2 mRNA and protein in mice but not in humans. <i>Molecular Neurodegeneration</i> , 2018 , 13, 49	19	52
324	TDP-43 induces p53-mediated cell death of cortical progenitors and immature neurons. <i>Scientific Reports</i> , 2018 , 8, 8097	4.9	22
323	Chronic CRH depletion from GABAergic, long-range projection neurons in the extended amygdala reduces dopamine release and increases anxiety. <i>Nature Neuroscience</i> , 2018 , 21, 803-807	25.5	53
322	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. <i>PLoS Biology</i> , 2018 , 16, e2005019	9.7	28
321	Role of Mitochondrial Metabolism in the Control of Early Lineage Progression and Aging Phenotypes in Adult Hippocampal Neurogenesis. <i>Neuron</i> , 2017 , 93, 560-573.e6	13.9	137
320	Gene editing in mouse zygotes using the CRISPR/Cas9 system. <i>Methods</i> , 2017 , 121-122, 55-67	4.6	30
319	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

318	TREM2 deficiency impairs chemotaxis and microglial responses to neuronal injury. <i>EMBO Reports</i> , 2017 , 18, 1186-1198	6.5	156
317	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
316	Alterations in neuronal control of body weight and anxiety behavior by glutathione peroxidase 4 deficiency. <i>Neuroscience</i> , 2017 , 357, 241-254	3.9	25
315	Elevated glutaric acid levels in Dhtkd1/Gcdh- double knockout mice challenge our current understanding of lysine metabolism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 2220-2228	6.9	23
314	The FTD-like syndrome causing TREM2 T66M mutation impairs microglia function, brain perfusion, and glucose metabolism. <i>EMBO Journal</i> , 2017 , 36, 1837-1853	13	110
313	Control of gene editing by manipulation of DNA repair mechanisms. <i>Mammalian Genome</i> , 2017 , 28, 262-274	37.4	42
312	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
311	The Chromatin-Associated Phf12 Protein Maintains Nucleolar Integrity and Prevents Premature Cellular Senescence. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	4
310	Heterozygosity for the Mood Disorder-Associated Variant Gln460Arg Alters P2X7 Receptor Function and Sleep Quality. <i>Journal of Neuroscience</i> , 2017 , 37, 11688-11700	6.6	26
309	NeuBtracker-imaging neurobehavioral dynamics in freely behaving fish. <i>Nature Methods</i> , 2017 , 14, 1079-1082	10.82	21
308	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
307	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
306	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
305	: effects on motor phenotypes and the sensorimotor system in mice. <i>DMM Disease Models and Mechanisms</i> , 2017 , 10, 981-991	4.1	17
304	ACSL4 dictates ferroptosis sensitivity by shaping cellular lipid composition. <i>Nature Chemical Biology</i> , 2017 , 13, 91-98	11.7	908
303	Genetically dissecting P2rx7 expression within the central nervous system using conditional humanized mice. <i>Purinergic Signalling</i> , 2017 , 13, 153-170	3.8	55
302	ENCoRE: an efficient software for CRISPR screens identifies new players in extrinsic apoptosis. <i>BMC Genomics</i> , 2017 , 18, 905	4.5	15
301	Cytosolic Hsp90 and its mitochondrial isoform Trap1 are differentially required in a breast cancer model. <i>Oncotarget</i> , 2017 , 8, 17428-17442	3.3	11

300	Fgf15 regulates thalamic development by controlling the expression of proneural genes. <i>Brain Structure and Function</i> , 2016 , 221, 3095-109	4	10
299	High-throughput discovery of novel developmental phenotypes. <i>Nature</i> , 2016 , 537, 508-514	50.4	608
298	Caspase-mediated apoptosis induction in zebrafish cerebellar Purkinje neurons. <i>Development (Cambridge)</i> , 2016 , 143, 4279-4287	6.6	10
297	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
296	Differences in the spatiotemporal expression and epistatic gene regulation of the mesodiencephalic dopaminergic precursor marker PITX3 during chicken and mouse development. <i>Development (Cambridge)</i> , 2016 , 143, 691-702	6.6	4
295	Genome Editing in Mice Using TALE Nucleases. <i>Methods in Molecular Biology</i> , 2016 , 1338, 229-43	1.4	2
294	Animal Models Are Valid to Uncover Disease Mechanisms. <i>PLoS Genetics</i> , 2016 , 12, e1006013	6	3
293	Sphingomyelin Synthase 1 Is Essential for Male Fertility in Mice. <i>PLoS ONE</i> , 2016 , 11, e0164298	3.7	13
292	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 4035-4046	3.2	7
291	The REST remodeling complex protects genomic integrity during embryonic neurogenesis. <i>ELife</i> , 2016 , 5, e09584	8.9	42
290	CRISPR-Cas9 enables conditional mutagenesis of challenging loci. <i>Scientific Reports</i> , 2016 , 6, 32326	4.9	8
289	CRFR1 in AgRP Neurons Modulates Sympathetic Nervous System Activity to Adapt to Cold Stress and Fasting. <i>Cell Metabolism</i> , 2016 , 23, 1185-1199	24.6	40
288	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
287	Diversity matters - heterogeneity of dopaminergic neurons in the ventral mesencephalon and its relation to Parkinson's Disease. <i>Journal of Neurochemistry</i> , 2016 , 139 Suppl 1, 8-26	6	36
286	A WNT1-regulated developmental gene cascade prevents dopaminergic neurodegeneration in adult En1(+/-) mice. <i>Neurobiology of Disease</i> , 2015 , 82, 32-45	7.5	23
285	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
284	Expression of a Catalytically Inactive Mutant Form of Glutathione Peroxidase 4 (Gpx4) Confers a Dominant-negative Effect in Male Fertility. <i>Journal of Biological Chemistry</i> , 2015 , 290, 14668-78	5.4	44
283	Limitations of In Vivo Reprogramming to Dopaminergic Neurons via a Tricistronic Strategy. <i>Human Gene Therapy Methods</i> , 2015 , 26, 107-22	4.9	2

282	Development of an intein-mediated split-Cas9 system for gene therapy. <i>Nucleic Acids Research</i> , 2015 , 43, 6450-8	20.1	194
281	Increasing the efficiency of homology-directed repair for CRISPR-Cas9-induced precise gene editing in mammalian cells. <i>Nature Biotechnology</i> , 2015 , 33, 543-8	44.5	771
280	Orphan receptor IL-17RD regulates Toll-like receptor signalling via SEFIR/TIR interactions. <i>Nature Communications</i> , 2015 , 6, 6669	17.4	28
279	Dickkopf 3 Promotes the Differentiation of a Rostrolateral Midbrain Dopaminergic Neuronal Subset In Vivo and from Pluripotent Stem Cells In Vitro in the Mouse. <i>Journal of Neuroscience</i> , 2015 , 35, 13385-401	6.6	21
278	Creation of targeted genomic deletions using TALEN or CRISPR/Cas nuclease pairs in one-cell mouse embryos. <i>FEBS Open Bio</i> , 2015 , 5, 26-35	2.7	36
277	The development of diet-induced obesity and associated metabolic impairments in Dj-1 deficient mice. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 75-81	6.3	9
276	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
275	MiR-34a deficiency accelerates medulloblastoma formation in vivo. <i>International Journal of Cancer</i> , 2015 , 136, 2293-303	7.5	32
274	Assessing Cognition in Mice. <i>Current Protocols in Mouse Biology</i> , 2015 , 5, 331-358	1.1	37
273	Hairy/Enhancer-of-Split MEGANE and Proneural MASH1 Factors Cooperate Synergistically in Midbrain GABAergic Neurogenesis. <i>PLoS ONE</i> , 2015 , 10, e0127681	3.7	4
272	Conditional Reduction of Adult Born Doublecortin-Positive Neurons Reversibly Impairs Selective Behaviors. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 302	3.5	21
271	Corticotropin-Releasing Hormone Receptor Type 1 (CRHR1) Clustering with MAGUKs Is Mediated via Its C-Terminal PDZ Binding Motif. <i>PLoS ONE</i> , 2015 , 10, e0136768	3.7	13
270	MIM-Induced Membrane Bending Promotes Dendritic Spine Initiation. <i>Developmental Cell</i> , 2015 , 33, 644-652	15.2	52
269	Genetic Differences in the Immediate Transcriptome Response to Stress Predict Risk-Related Brain Function and Psychiatric Disorders. <i>Neuron</i> , 2015 , 86, 1189-202	13.9	79
268	Mga is essential for the survival of pluripotent cells during peri-implantation development. <i>Development (Cambridge)</i> , 2015 , 142, 31-40	6.6	21
267	Ascl1 and Helt act combinatorially to specify thalamic neuronal identity by repressing Dlx5 activation. <i>Developmental Biology</i> , 2015 , 398, 280-91	3.1	18
266	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, 2247-66	5.6	39
265	Tests for Anxiety-Related Behavior in Mice. <i>Current Protocols in Mouse Biology</i> , 2015 , 5, 291-309	1.1	25

264	Simple derivation of transgene-free iPSC cells by a dual recombinase approach. <i>Molecular Biotechnology</i> , 2014 , 56, 697-713	3	2
263	Otx2 cell-autonomously determines dorsal mesencephalon versus cerebellum fate independently of isthmus organizing activity. <i>Development (Cambridge)</i> , 2014 , 141, 377-88	6.6	17
262	Wnt1-regulated genetic networks in midbrain dopaminergic neuron development. <i>Journal of Molecular Cell Biology</i> , 2014 , 6, 34-41	6.3	36
261	Aberrant methylation of tRNAs links cellular stress to neuro-developmental disorders. <i>EMBO Journal</i> , 2014 , 33, 2020-39	13	331
260	High-fat diet induced isoform changes of the Parkinson's disease protein DJ-1. <i>Journal of Proteome Research</i> , 2014 , 13, 2339-51	5.6	39
259	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
258	Generation of targeted mouse mutants by embryo microinjection of TALENs. <i>Methods</i> , 2014 , 69, 94-101	4.6	14
257	Mouse IDGenes: a reference database for genetic interactions in the developing mouse brain. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014,	5	2
256	Abnormal brain iron metabolism in Irf2 deficient mice is associated with mild neurological and behavioral impairments. <i>PLoS ONE</i> , 2014 , 9, e98072	3.7	37
255	FGF/FGFR2 signaling regulates the generation and correct positioning of Bergmann glia cells in the developing mouse cerebellum. <i>PLoS ONE</i> , 2014 , 9, e101124	3.7	18
254	Pleiotropic functions for transcription factor zscan10. <i>PLoS ONE</i> , 2014 , 9, e104568	3.7	12
253	MTO1-deficient mouse model mirrors the human phenotype showing complex I defect and cardiomyopathy. <i>PLoS ONE</i> , 2014 , 9, e114918	3.7	15
252	A robust and reliable non-invasive test for stress responsivity in mice. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 125	3.5	49
251	MicroRNA-9 controls dendritic development by targeting REST. <i>ELife</i> , 2014 , 3,	8.9	61
250	Uncoupling Malt1 threshold function from paracaspase activity results in destructive autoimmune inflammation. <i>Cell Reports</i> , 2014 , 9, 1292-305	10.6	102
249	Fast synchronization of ultradian oscillators controlled by delta-notch signaling with cis-inhibition. <i>PLoS Computational Biology</i> , 2014 , 10, e1003843	5	4
248	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
247	Products of the Parkinson's disease-related glyoxalase DJ-1, D-lactate and glycolate, support mitochondrial membrane potential and neuronal survival. <i>Biology Open</i> , 2014 , 3, 777-84	2.2	35

246	HIC2 is a novel dosage-dependent regulator of cardiac development located within the distal 22q11 deletion syndrome region. <i>Circulation Research</i> , 2014 , 115, 23-31	15.7	22
245	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
244	Sharpening of expression domains induced by transcription and microRNA regulation within a spatio-temporal model of mid-hindbrain boundary formation. <i>BMC Systems Biology</i> , 2013 , 7, 48	3.5	12
243	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
242	Crybb2 coding for B2-crystallin affects sensorimotor gating and hippocampal function. <i>Mammalian Genome</i> , 2013 , 24, 333-48	3.2	18
241	Generation of targeted mouse mutants by embryo microinjection of TALEN mRNA. <i>Nature Protocols</i> , 2013 , 8, 2355-79	18.8	50
240	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. <i>Genome Biology</i> , 2013 , 14, R82	18.3	288
239	A systems medicine research approach for studying alcohol addiction. <i>Addiction Biology</i> , 2013 , 18, 883-966	4.6	72
238	Otx2 selectively controls the neurogenesis of specific neuronal subtypes of the ventral tegmental area and compensates En1-dependent neuronal loss and MPTP vulnerability. <i>Developmental Biology</i> , 2013 , 373, 176-83	3.1	33
237	LRRK2 guides the actin cytoskeleton at growth cones together with ARHGEF7 and Tropomyosin 4. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 2352-67	6.9	42
236	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
235	The E3 ligase parkin maintains mitochondrial integrity by increasing linear ubiquitination of NEMO. <i>Molecular Cell</i> , 2013 , 49, 908-21	17.6	152
234	Target validation in mice by constitutive and conditional RNAi. <i>Methods in Molecular Biology</i> , 2013 , 986, 307-23	1.4	4
233	Roquin paralogs 1 and 2 redundantly repress the Icos and Ox40 costimulator mRNAs and control follicular helper T cell differentiation. <i>Immunity</i> , 2013 , 38, 655-68	32.3	147
232	Nectin-3 links CRHR1 signaling to stress-induced memory deficits and spine loss. <i>Nature Neuroscience</i> , 2013 , 16, 706-13	25.5	101
231	Reversible and tissue-specific activation of MAP kinase signaling by tamoxifen in Braf(V637)ER(T2) mice. <i>Genesis</i> , 2013 , 51, 448-55	1.9	5
230	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
229	Highly efficient targeted mutagenesis in mice using TALENs. <i>Genetics</i> , 2013 , 195, 703-13	4	54

228	Direct cloning of isogenic murine DNA in yeast and relevance of isogenicity for targeting in embryonic stem cells. <i>PLoS ONE</i> , 2013 , 8, e74207	3.7	2
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6	Regulation of the Hypothalamic-Pituitary-Adrenocortical System in Mice Deficient for CRH Receptors 1 and 2		39
5	Profound functional and molecular diversity of mitochondria revealed by cell type-specific profiling in vivo		2
4	PARK7/DJ-1 promotes pyruvate dehydrogenase activity and maintains Treg homeostasis		2
3	Canonical Wnt-signaling modulates the tempo of dendritic growth of adult-born hippocampal neurons		1
2	A resource of targeted mutant mouse lines for 5,061 genes		3
1	PARK7/DJ-1 promotes pyruvate dehydrogenase activity and maintains Treg homeostasis during ageing. <i>Nature Metabolism</i> ,	14.6	2