

# Wolfgang Wurst

## List of Publications by Citations

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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	ACSL4 dictates ferroptosis sensitivity by shaping cellular lipid composition. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 91-98	11.7	908
388	Impaired stress response and reduced anxiety in mice lacking a functional corticotropin-releasing hormone receptor 1. <i>Nature Genetics</i> , <b>1998</b> , 19, 162-6	36.3	805
387	Increasing the efficiency of homology-directed repair for CRISPR-Cas9-induced precise gene editing in mammalian cells. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 543-8	44.5	771
386	Glutathione peroxidase 4 senses and translates oxidative stress into 12/15-lipoxygenase dependent- and AIF-mediated cell death. <i>Cell Metabolism</i> , <b>2008</b> , 8, 237-48	24.6	690
385	Arc/Arg3.1 is essential for the consolidation of synaptic plasticity and memories. <i>Neuron</i> , <b>2006</b> , 52, 437-44	45.9	635
384	High-throughput discovery of novel developmental phenotypes. <i>Nature</i> , <b>2016</b> , 537, 508-514	50.4	608
383	Targeted disruption of the trkB neurotrophin receptor gene results in nervous system lesions and neonatal death. <i>Cell</i> , <b>1993</b> , 75, 113-122	56.2	538
382	The knockout mouse project. <i>Nature Genetics</i> , <b>2004</b> , 36, 921-4	36.3	490
381	Neural plate patterning: upstream and downstream of the isthmic organizer. <i>Nature Reviews Neuroscience</i> , <b>2001</b> , 2, 99-108	13.5	449
380	Selenium Utilization by GPX4 Is Required to Prevent Hydroperoxide-Induced Ferroptosis. <i>Cell</i> , <b>2018</b> , 172, 409-422.e21	56.2	446
379	A humanized version of Foxp2 affects cortico-basal ganglia circuits in mice. <i>Cell</i> , <b>2009</b> , 137, 961-71	56.2	427
378	Essential role for mitochondrial thioredoxin reductase in hematopoiesis, heart development, and heart function. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 9414-23	4.8	388
377	Hdac2 regulates the cardiac hypertrophic response by modulating Gsk3 beta activity. <i>Nature Medicine</i> , <b>2007</b> , 13, 324-31	50.5	381
376	Limbic corticotropin-releasing hormone receptor 1 mediates anxiety-related behavior and hormonal adaptation to stress. <i>Nature Neuroscience</i> , <b>2003</b> , 6, 1100-7	25.5	381
375	A mouse for all reasons. <i>Cell</i> , <b>2007</b> , 128, 9-13	56.2	366
374	Aberrant methylation of tRNAs links cellular stress to neuro-developmental disorders. <i>EMBO Journal</i> , <b>2014</b> , 33, 2020-39	13	331
373	Loss of parkin or PINK1 function increases Drp1-dependent mitochondrial fragmentation. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 22938-51	5.4	306

372	Parkinson's disease mutations in PINK1 result in decreased Complex I activity and deficient synaptic function. <i>EMBO Molecular Medicine</i> , <b>2009</b> , 1, 99-111	12	298
371	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. <i>Genome Biology</i> , <b>2013</b> , 14, R82	18.3	288
370	Inducible gene deletion in astroglia and radial glia--a valuable tool for functional and lineage analysis. <i>Glia</i> , <b>2006</b> , 54, 21-34	9	284
369	Cytoplasmic thioredoxin reductase is essential for embryogenesis but dispensable for cardiac development. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 1980-8	4.8	283
368	The caudal limit of Otx2 expression positions the isthmus organizer. <i>Nature</i> , <b>1999</b> , 401, 164-8	50.4	278
367	Fate of midbrain dopaminergic neurons controlled by the engrailed genes. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, 3126-34	6.6	267
366	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 3272-91	15.9	267
365	The isthmus organizer signal FGF8 is required for cell survival in the prospective midbrain and cerebellum. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 2633-44	6.6	258
364	The mouse Engrailed-1 gene and ventral limb patterning. <i>Nature</i> , <b>1996</b> , 382, 360-3	50.4	257
363	EphA-Ephrin-A-mediated beta cell communication regulates insulin secretion from pancreatic islets. <i>Cell</i> , <b>2007</b> , 129, 359-70	56.2	253
362	The mammalian gene function resource: the International Knockout Mouse Consortium. <i>Mammalian Genome</i> , <b>2012</b> , 23, 580-6	3.2	230
361	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> , <b>2010</b> , 107, 15022-6	11.5	229
360	Glutamatergic and dopaminergic neurons mediate anxiogenic and anxiolytic effects of CRHR1. <i>Science</i> , <b>2011</b> , 333, 1903-7	33.3	227
359	Mitochondrial glutathione peroxidase 4 disruption causes male infertility. <i>FASEB Journal</i> , <b>2009</b> , 23, 3233-43	4.3	212
358	LRRK2 controls synaptic vesicle storage and mobilization within the recycling pool. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 2225-37	6.6	207
357	A Wnt1-regulated genetic network controls the identity and fate of midbrain-dopaminergic progenitors in vivo. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 89-98	6.6	196
356	Enhanced and delayed stress-induced alcohol drinking in mice lacking functional CRH1 receptors. <i>Science</i> , <b>2002</b> , 296, 931-3	33.3	195
355	Development of an intein-mediated split-Cas9 system for gene therapy. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 6450-8	20.1	194

354	A public gene trap resource for mouse functional genomics. <i>Nature Genetics</i> , <b>2004</b> , 36, 543-4	36.3	189
353	Reliability, robustness, and reproducibility in mouse behavioral phenotyping: a cross-laboratory study. <i>Physiological Genomics</i> , <b>2008</b> , 34, 243-55	3.6	183
352	The European dimension for the mouse genome mutagenesis program. <i>Nature Genetics</i> , <b>2004</b> , 36, 925-7	36.3	176
351	Two lineage boundaries coordinate vertebrate apical ectodermal ridge formation. <i>Genes and Development</i> , <b>2000</b> , 14, 1377-1389	12.6	171
350	Otx2 regulates the extent, identity and fate of neuronal progenitor domains in the ventral midbrain. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 2037-48	6.6	166
349	TREM2 deficiency impairs chemotaxis and microglial responses to neuronal injury. <i>EMBO Reports</i> , <b>2017</b> , 18, 1186-1198	6.5	156
348	The E3 ligase parkin maintains mitochondrial integrity by increasing linear ubiquitination of NEMO. <i>Molecular Cell</i> , <b>2013</b> , 49, 908-21	17.6	152
347	Genomewide production of multipurpose alleles for the functional analysis of the mouse genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 7221-6	11.5	151
346	FGFR1 is independently required in both developing mid- and hindbrain for sustained response to isthmus signals. <i>EMBO Journal</i> , <b>2003</b> , 22, 1811-23	13	150
345	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , <b>2005</b> , 2, 403-4	21.6	148
344	Roquin paralogs 1 and 2 redundantly repress the Icos and OX40 costimulator mRNAs and control follicular helper T cell differentiation. <i>Immunity</i> , <b>2013</b> , 38, 655-68	32.3	147
343	Regulation of astrocyte inflammatory responses by the Parkinson's disease-associated gene DJ-1. <i>FASEB Journal</i> , <b>2009</b> , 23, 2478-89	0.9	146
342	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. <i>Nature Genetics</i> , <b>2017</b> , 49, 1231-1238	36.3	145
341	Neuronal 3',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> , <b>2009</b> , 29, 9439-49	6.6	143
340	Modulation of dendritic differentiation by corticotropin-releasing factor in the developing hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 15782-7	11.5	141
339	Role of Mitochondrial Metabolism in the Control of Early Lineage Progression and Aging Phenotypes in Adult Hippocampal Neurogenesis. <i>Neuron</i> , <b>2017</b> , 93, 560-573.e6	13.9	137
338	Lysosomal storage disease upon disruption of the neuronal chloride transport protein ClC-6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 13854-9	11.5	136
337	A large-scale, gene-driven mutagenesis approach for the functional analysis of the mouse genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 9918-22	11.5	128

336	Establishment of a gene-trap sequence tag library to generate mutant mice from embryonic stem cells. <i>Nature Genetics</i> , <b>2000</b> , 24, 13-4	36.3	124
335	Forebrain CRF $\beta$ modulates early-life stress-programmed cognitive deficits. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 13625-34	6.6	123
334	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> , <b>2013</b> , 110, 3782-7	11.5	122
333	Forebrain CRHR1 deficiency attenuates chronic stress-induced cognitive deficits and dendritic remodeling. <i>Neurobiology of Disease</i> , <b>2011</b> , 42, 300-10	7.5	121
332	Location and size of dopaminergic and serotonergic cell populations are controlled by the position of the midbrain-hindbrain organizer. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 4199-207	6.6	116
331	Effects of Wnt1 signaling on proliferation in the developing mid-/hindbrain region. <i>Molecular and Cellular Neurosciences</i> , <b>2004</b> , 26, 101-11	4.8	116
330	Otx dose-dependent integrated control of antero-posterior and dorso-ventral patterning of midbrain. <i>Nature Neuroscience</i> , <b>2003</b> , 6, 453-60	25.5	114
329	Reduced body size and decreased intestinal tumor rates in HDAC2-mutant mice. <i>Cancer Research</i> , <b>2007</b> , 67, 9047-54	10.1	113
328	The International Gene Trap Consortium Website: a portal to all publicly available gene trap cell lines in mouse. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, D642-8	20.1	111
327	Genetic networks controlling the development of midbrain dopaminergic neurons. <i>Journal of Physiology</i> , <b>2006</b> , 575, 403-10	3.9	111
326	The FTD-like syndrome causing TREM2 T66M mutation impairs microglia function, brain perfusion, and glucose metabolism. <i>EMBO Journal</i> , <b>2017</b> , 36, 1837-1853	13	110
325	LIM-homeodomain proteins Lhx1 and Lhx5, and their cofactor Ldb1, control Purkinje cell differentiation in the developing cerebellum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 13182-6	11.5	109
324	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , <b>2015</b> , 47, 969-978	36.3	106
323	Regulation of the hypothalamic-pituitary-adrenocortical system in mice deficient for CRH receptors 1 and 2. <i>Endocrinology</i> , <b>2001</b> , 142, 4946-55	4.8	104
322	Mouse phenotyping. <i>Methods</i> , <b>2011</b> , 53, 120-35	4.6	103
321	Uncoupling Malt1 threshold function from paracaspase activity results in destructive autoimmune inflammation. <i>Cell Reports</i> , <b>2014</b> , 9, 1292-305	10.6	102
320	Nectin-3 links CRHR1 signaling to stress-induced memory deficits and spine loss. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 706-13	25.5	101
319	Sequence interpretation. Functional annotation of mouse genome sequences. <i>Science</i> , <b>2001</b> , 291, 1251-53.3	33.3	101

318	Nephrin TRAP mice lack slit diaphragms and show fibrotic glomeruli and cystic tubular lesions. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2002</b> , 13, 1586-94	12.7	100
317	Expression of the splicing factor gene SFRS10 is reduced in human obesity and contributes to enhanced lipogenesis. <i>Cell Metabolism</i> , <b>2011</b> , 14, 208-18	24.6	98
316	EUCOMM--the European conditional mouse mutagenesis program. <i>Briefings in Functional Genomics &amp; Proteomics</i> , <b>2007</b> , 6, 180-5		98
315	Pitchfork regulates primary cilia disassembly and left-right asymmetry. <i>Developmental Cell</i> , <b>2010</b> , 19, 66-77	10.2	97
314	Cell-type-specific profiling of brain mitochondria reveals functional and molecular diversity. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 1731-1742	25.5	93
313	Otx2 controls neuron subtype identity in ventral tegmental area and antagonizes vulnerability to MPTP. <i>Nature Neuroscience</i> , <b>2010</b> , 13, 1481-8	25.5	93
312	Evolutionarily conserved role of nucleostemin: controlling proliferation of stem/progenitor cells during early vertebrate development. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 9291-301	4.8	93
311	Extracellular Engrailed participates in the topographic guidance of retinal axons in vivo. <i>Neuron</i> , <b>2009</b> , 64, 355-366	13.9	88
310	Towards better mouse models: enhanced genotypes, systemic phenotyping and envirotype modelling. <i>Nature Reviews Genetics</i> , <b>2009</b> , 10, 371-80	30.1	83
309	A unilateral negative feedback loop between miR-200 microRNAs and Sox2/E2F3 controls neural progenitor cell-cycle exit and differentiation. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 13292-308	6.6	83
308	The winged helix transcription factor Fkh10 is required for normal development of the inner ear. <i>Nature Genetics</i> , <b>1998</b> , 20, 374-6	36.3	83
307	Conditional brain-specific knockdown of MAPK using Cre/loxP regulated RNA interference. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, e90	20.1	83
306	Cannabinoid CB1 receptor is dispensable for memory extinction in an appetitively-motivated learning task. <i>European Journal of Pharmacology</i> , <b>2005</b> , 510, 69-74	5.3	83
305	Corticotropin-releasing hormone activates ERK1/2 MAPK in specific brain areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 6183-8	11.5	83
304	The specific role of histone deacetylase 2 in adult neurogenesis. <i>Neuron Glia Biology</i> , <b>2010</b> , 6, 93-107		82
303	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. <i>Nature Communications</i> , <b>2017</b> , 8, 886	17.4	81
302	Anterior-posterior graded response to Otx2 controls proliferation and differentiation of dopaminergic progenitors in the ventral mesencephalon. <i>Development (Cambridge)</i> , <b>2008</b> , 135, 3459-70	6.6	81
301	The Hsp90 cochaperone p23 is essential for perinatal survival. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 8976-83	4.8	81

300	A new partner for the international knockout mouse consortium. <i>Cell</i> , <b>2007</b> , 129, 235	56.2	81
299	Hypogonadotropic hypogonadism and peripheral neuropathy in Ebf2-null mice. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 401-10	6.6	81
298	Genetic Differences in the Immediate Transcriptome Response to Stress Predict Risk-Related Brain Function and Psychiatric Disorders. <i>Neuron</i> , <b>2015</b> , 86, 1189-202	13.9	79
297	Restless legs syndrome-associated intronic common variant in Meis1 alters enhancer function in the developing telencephalon. <i>Genome Research</i> , <b>2014</b> , 24, 592-603	9.7	79
296	Animal models for arthritis: innovative tools for prevention and treatment. <i>Annals of the Rheumatic Diseases</i> , <b>2011</b> , 70, 1357-62	2.4	78
295	Selective activation of the hypothalamic vasopressinergic system in mice deficient for the corticotropin-releasing hormone receptor 1 is dependent on glucocorticoids. <i>Endocrinology</i> , <b>2000</b> , 141, 4262-9	4.8	78
294	Generation and characterization of dickkopf3 mutant mice. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 2317-26	7.8	77
293	Fibroblast growth factor receptors cooperate to regulate neural progenitor properties in the developing midbrain and hindbrain. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 8581-92	6.6	76
292	Individual stress vulnerability is predicted by short-term memory and AMPA receptor subunit ratio in the hippocampus. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 16949-58	6.6	74
291	Pitx3 is a critical mediator of GDNF-induced BDNF expression in nigrostriatal dopaminergic neurons. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 12802-15	6.6	74
290	Early-life stress-induced anxiety-related behavior in adult mice partially requires forebrain corticotropin-releasing hormone receptor 1. <i>European Journal of Neuroscience</i> , <b>2012</b> , 36, 2360-7	3.5	73
289	Wnt5a regulates ventral midbrain morphogenesis and the development of A9-A10 dopaminergic cells in vivo. <i>PLoS ONE</i> , <b>2008</b> , 3, e3517	3.7	73
288	Exosomal secretion of $\beta$ -synuclein as protective mechanism after upstream blockage of macroautophagy. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 757	9.8	72
287	A systems medicine research approach for studying alcohol addiction. <i>Addiction Biology</i> , <b>2013</b> , 18, 883-96	4.6	72
286	Mitochondrial dysfunction and decrease in body weight of a transgenic knock-in mouse model for TDP-43. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 10769-10784	5.4	72
285	Spinal poly-GA inclusions in a C9orf72 mouse model trigger motor deficits and inflammation without neuron loss. <i>Acta Neuropathologica</i> , <b>2017</b> , 134, 241-254	14.3	70
284	Phenotypic annotation of the mouse X chromosome. <i>Genome Research</i> , <b>2010</b> , 20, 1154-64	9.7	70
283	Gata2 is a tissue-specific post-mitotic selector gene for midbrain GABAergic neurons. <i>Development (Cambridge)</i> , <b>2009</b> , 136, 253-62	6.6	70

282	FoxO Function Is Essential for Maintenance of Autophagic Flux and Neuronal Morphogenesis in Adult Neurogenesis. <i>Neuron</i> , <b>2018</b> , 99, 1188-1203.e6	13.9	70
281	Urocortin 3 modulates social discrimination abilities via corticotropin-releasing hormone receptor type 2. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 9103-16	6.6	69
280	Getting closer to affective disorders: the role of CRH receptor systems. <i>Trends in Molecular Medicine</i> , <b>2004</b> , 10, 409-15	11.5	69
279	The isthmic neuroepithelium is essential for cerebellar midline fusion. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 5319-30	6.6	68
278	Systemic first-line phenotyping. <i>Methods in Molecular Biology</i> , <b>2009</b> , 530, 463-509	1.4	67
277	Essential roles of BMPR-IA signaling in differentiation and growth of hair follicles and in skin tumorigenesis. <i>Genesis</i> , <b>2004</b> , 39, 10-25	1.9	65
276	Requirement of the RNA-editing enzyme ADAR2 for normal physiology in mice. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 18614-22	5.4	64
275	Zebrafish reward mutants reveal novel transcripts mediating the behavioral effects of amphetamine. <i>Genome Biology</i> , <b>2009</b> , 10, R81	18.3	62
274	Multiple roles of ephrins during the formation of thalamocortical projections: maps and more. <i>Journal of Neurobiology</i> , <b>2004</b> , 59, 82-94		62
273	MicroRNA-9 controls dendritic development by targeting REST. <i>ELife</i> , <b>2014</b> , 3,	8.9	61
272	Computational identification and experimental validation of microRNAs binding to the Alzheimer-related gene ADAM10. <i>BMC Medical Genetics</i> , <b>2012</b> , 13, 35	2.1	61
271	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <i>Nature Communications</i> , <b>2017</b> , 8, 155	17.4	60
270	Telomere shortening reduces Alzheimer's disease amyloid pathology in mice. <i>Brain</i> , <b>2011</b> , 134, 2044-56	11.2	60
269	Structural determinants of the C-terminal helix-kink-helix motif essential for protein stability and survival promoting activity of DJ-1. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 13680-91	5.4	60
268	Fgfr1-dependent boundary cells between developing mid- and hindbrain. <i>Developmental Biology</i> , <b>2005</b> , 278, 428-39	3.1	59
267	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> , <b>2013</b> , 8, e82392	3.7	59
266	Localization of heat shock protein 70 genes inside the rat major histocompatibility complex close to class III genes. <i>Immunogenetics</i> , <b>1989</b> , 30, 46-9	3.2	58
265	Brain-specific inactivation of the Crhr1 gene inhibits post-dependent and stress-induced alcohol intake, but does not affect relapse-like drinking. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 1047-56	8.7	57



264	Expression of CRHR1 and CRHR2 in mouse pituitary and adrenal gland: implications for HPA system regulation. <i>Endocrinology</i> , <b>2001</b> , 142, 4150-3	4.8	57
263	Orphan receptor IL-17RD tunes IL-17A signalling and is required for neutrophilia. <i>Nature Communications</i> , <b>2012</b> , 3, 1119	17.4	56
262	Semaphorin 4C and 4G are ligands of Plexin-B2 required in cerebellar development. <i>Molecular and Cellular Neurosciences</i> , <b>2011</b> , 46, 419-31	4.8	56
261	Genetically dissecting P2rx7 expression within the central nervous system using conditional humanized mice. <i>Purinergic Signalling</i> , <b>2017</b> , 13, 153-170	3.8	55
260	Expression analysis of Lrrk1, Lrrk2 and Lrrk2 splice variants in mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e63778	3.7	55
259	Highly efficient targeted mutagenesis in mice using TALENs. <i>Genetics</i> , <b>2013</b> , 195, 703-13	4	54
258	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> , <b>2012</b> , 109, 9354-9	11.5	54
257	The functional annotation of mammalian genomes: the challenge of phenotyping. <i>Annual Review of Genetics</i> , <b>2009</b> , 43, 305-33	14.5	54
256	Generating conditional knockout mice. <i>Methods in Molecular Biology</i> , <b>2011</b> , 693, 205-31	1.4	53
255	Chronic CRH depletion from GABAergic, long-range projection neurons in the extended amygdala reduces dopamine release and increases anxiety. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 803-807	25.5	53
254	MIM-Induced Membrane Bending Promotes Dendritic Spine Initiation. <i>Developmental Cell</i> , <b>2015</b> , 33, 644-592	15.2	52
253	Musashi 2 is a regulator of the HSC compartment identified by a retroviral insertion screen and knockout mice. <i>Blood</i> , <b>2011</b> , 118, 554-64	2.2	52
252	mPet-1, a mouse ETS-domain transcription factor, is expressed in central serotonergic neurons. <i>Development Genes and Evolution</i> , <b>2002</b> , 212, 43-6	1.8	52
251	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> , <b>2018</b> , 13, 49	19	52
250	Generation of targeted mouse mutants by embryo microinjection of TALEN mRNA. <i>Nature Protocols</i> , <b>2013</b> , 8, 2355-79	18.8	50
249	Nkx6-1 controls the identity and fate of red nucleus and oculomotor neurons in the mouse midbrain. <i>Development (Cambridge)</i> , <b>2009</b> , 136, 2545-55	6.6	50
248	Tumor suppressor down-regulated in renal cell carcinoma 1 (DRR1) is a stress-induced actin bundling factor that modulates synaptic efficacy and cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 17213-8	11.5	50
247	Iron homeostasis in the brain: complete iron regulatory protein 2 deficiency without symptomatic neurodegeneration in the mouse. <i>Nature Genetics</i> , <b>2006</b> , 38, 967-9; discussion 969-70	36.3	50

246	Miswiring of limbic thalamocortical projections in the absence of ephrin-A5. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 9352-7	6.6	50
245	A robust and reliable non-invasive test for stress responsivity in mice. <i>Frontiers in Behavioral Neuroscience</i> , <b>2014</b> , 8, 125	3.5	49
244	An integrated genome research network for studying the genetics of alcohol addiction. <i>Addiction Biology</i> , <b>2010</b> , 15, 369-79	4.6	49
243	Large-scale phenotyping of an accurate genetic mouse model of JNCL identifies novel early pathology outside the central nervous system. <i>PLoS ONE</i> , <b>2012</b> , 7, e38310	3.7	49
242	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , <b>2018</b> , 9, 288	17.4	48
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