

# Tsuyoshi Miyakawa

## List of Publications by Year in descending order

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Version: 2024-02-01

211  
papers

16,139  
citations

19657

61  
h-index

19749

117  
g-index

226  
all docs

226  
docs citations

226  
times ranked

20570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of continuous neurogenesis in the structural and functional integrity of the adult forebrain. <i>Nature Neuroscience</i> , 2008, 11, 1153-1161.	14.8	921
2	NFAT dysregulation by increased dosage of DSCR1 and DYRK1A on chromosome 21. <i>Nature</i> , 2006, 441, 595-600.	27.8	639
3	Hippocampal Neurogenesis Regulates Forgetting During Adulthood and Infancy. <i>Science</i> , 2014, 344, 598-602.	12.6	579
4	Conditional calcineurin knockout mice exhibit multiple abnormal behaviors related to schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8987-8992.	7.1	459
5	Forebrain-Specific Calcineurin Knockout Selectively Impairs Bidirectional Synaptic Plasticity and Working/Episodic-like Memory. <i>Cell</i> , 2001, 107, 617-629.	28.9	457
6	Abnormal Behavior in a Chromosome- Engineered Mouse Model for Human 15q11-13 Duplication Seen in Autism. <i>Cell</i> , 2009, 137, 1235-1246.	28.9	432
7	Genomic responses in mouse models greatly mimic human inflammatory diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1167-1172.	7.1	427
8	Mice lacking the M3 muscarinic acetylcholine receptor are hypophagic and lean. <i>Nature</i> , 2001, 410, 207-212.	27.8	349
9	Hyperactivity and Intact Hippocampus-Dependent Learning in Mice Lacking the M <sub>1</sub> Muscarinic Acetylcholine Receptor. <i>Journal of Neuroscience</i> , 2001, 21, 5239-5250.	3.6	344
10	Age-related changes in behavior in C57BL/6J mice from young adulthood to middle age. <i>Molecular Brain</i> , 2016, 9, 11.	2.6	342
11	Smaller Dendritic Spines, Weaker Synaptic Transmission, but Enhanced Spatial Learning in Mice Lacking Shank1. <i>Journal of Neuroscience</i> , 2008, 28, 1697-1708.	3.6	321
12	Schizophrenia-Relevant Behavioral Testing in Rodent Models: A Uniquely Human Disorder?. <i>Biological Psychiatry</i> , 2006, 59, 1198-1207.	1.3	309
13	Fyn-Kinase as a Determinant of Ethanol Sensitivity: Relation to NMDA-Receptor Function. <i>Science</i> , 1997, 278, 698-701.	12.6	291
14	Elevated Plus Maze for Mice. <i>Journal of Visualized Experiments</i> , 2008, , .	0.3	289
15	CHD8 haploinsufficiency results in autistic-like phenotypes in mice. <i>Nature</i> , 2016, 537, 675-679.	27.8	268
16	Alpha-CaMKII deficiency causes immature dentate gyrus, a novel candidate endophenotype of psychiatric disorders. <i>Molecular Brain</i> , 2008, 1, 6.	2.6	261
17	Evidence for association of schizophrenia with genetic variation in the 8p21.3 gene, PPP3CC, encoding the calcineurin gamma subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8993-8998.	7.1	238
18	Mice Expressing Only Monosialoganglioside GM3 Exhibit Lethal Audiogenic Seizures. <i>Journal of Biological Chemistry</i> , 2001, 276, 6885-6888.	3.4	218

#	ARTICLE	IF	CITATIONS
19	Selective Impairment of Working Memory in a Mouse Model of Chronic Cerebral Hypoperfusion. <i>Stroke</i> , 2007, 38, 2826-2832.	2.0	210
20	Ischemia-induced neurogenesis of neocortical layer 1 progenitor cells. <i>Nature Neuroscience</i> , 2010, 13, 173-179.	14.8	198
21	Reversal of hippocampal neuronal maturation by serotonergic antidepressants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8434-8439.	7.1	187
22	M2 Muscarinic Acetylcholine Receptor Knock-Out Mice Show Deficits in Behavioral Flexibility, Working Memory, and Hippocampal Plasticity. <i>Journal of Neuroscience</i> , 2004, 24, 10117-10127.	3.6	183
23	Tight junctions in Schwann cells of peripheral myelinated axons. <i>Journal of Cell Biology</i> , 2005, 169, 527-538.	5.2	176
24	A Mouse Model Characterizing Features of Vascular Dementia With Hippocampal Atrophy. <i>Stroke</i> , 2010, 41, 1278-1284.	2.0	167
25	Abnormalities in brain structure and behavior in GSK-3alpha mutant mice. <i>Molecular Brain</i> , 2009, 2, 35.	2.6	162
26	P301S Mutant Human Tau Transgenic Mice Manifest Early Symptoms of Human Tauopathies with Dementia and Altered Sensorimotor Gating. <i>PLoS ONE</i> , 2011, 6, e21050.	2.5	160
27	Neurogranin null mutant mice display performance deficits on spatial learning tasks with anxiety related components. <i>Hippocampus</i> , 2001, 11, 763-775.	1.9	159
28	Sept4, a Component of Presynaptic Scaffold and Lewy Bodies, Is Required for the Suppression of $\hat{1}\pm$ -Synuclein Neurotoxicity. <i>Neuron</i> , 2007, 53, 519-533.	8.1	156
29	Light/dark Transition Test for Mice. <i>Journal of Visualized Experiments</i> , 2006, , 104.	0.3	154
30	Loss of Cadherin-11 Adhesion Receptor Enhances Plastic Changes in Hippocampal Synapses and Modifies Behavioral Responses. <i>Molecular and Cellular Neurosciences</i> , 2000, 15, 534-546.	2.2	151
31	Dissection of Hippocampal Dentate Gyrus from Adult Mouse. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	151
32	Behavioral profiles of three C57BL/6 substrains. <i>Frontiers in Behavioral Neuroscience</i> , 2010, 4, 29.	2.0	149
33	Deficiency of Schnurri-2, an MHC Enhancer Binding Protein, Induces Mild Chronic Inflammation in the Brain and Confers Molecular, Neuronal, and Behavioral Phenotypes Related to Schizophrenia. <i>Neuropsychopharmacology</i> , 2013, 38, 1409-1425.	5.4	143
34	No raw data, no science: another possible source of the reproducibility crisis. <i>Molecular Brain</i> , 2020, 13, 24.	2.6	143
35	Enhanced cocaine responsiveness and impaired motor coordination in metabotropic glutamate receptor subtype 2 knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4170-4175.	7.1	140
36	Detection of an immature dentate gyrus feature in human schizophrenia/bipolar patients. <i>Translational Psychiatry</i> , 2012, 2, e135-e135.	4.8	119

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37	Age-related behavioral changes from young to old age in male mice of a C57BL/6J strain maintained under a genetic stability program. <i>Neuropsychopharmacology Reports</i> , 2019, 39, 100-118.	2.3	119
38	Abnormal social behavior, hyperactivity, impaired remote spatial memory, and increased D1-mediated dopaminergic signaling in neuronal nitric oxide synthase knockout mice. <i>Molecular Brain</i> , 2009, 2, 19.	2.6	116
39	Impaired long-term memory retention and working memory in sdy mutant mice with a deletion in <i>Dtnbp1</i> , a susceptibility gene for schizophrenia. <i>Molecular Brain</i> , 2008, 1, 11.	2.6	111
40	Protein lactylation induced by neural excitation. <i>Cell Reports</i> , 2021, 37, 109820.	6.4	110
41	Orexin Receptor-1 in the Locus Coeruleus Plays an Important Role in Cue-Dependent Fear Memory Consolidation. <i>Journal of Neuroscience</i> , 2013, 33, 14549-14557.	3.6	106
42	Neuroethics Questions to Guide Ethical Research in the International Brain Initiatives. <i>Neuron</i> , 2018, 100, 19-36.	8.1	104
43	Contextual and Cued Fear Conditioning Test Using a Video Analyzing System in Mice. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	103
44	Immature Dentate Gyrus: An Endophenotype of Neuropsychiatric Disorders. <i>Neural Plasticity</i> , 2013, 2013, 1-24.	2.2	101
45	Increased social interaction in mice deficient of the striatal medium spiny neuron-specific phosphodiesterase 10A2. <i>Journal of Neurochemistry</i> , 2008, 105, 546-556.	3.9	100
46	Decreased Exploratory Activity in a Mouse Model of 15q Duplication Syndrome; Implications for Disturbance of Serotonin Signaling. <i>PLoS ONE</i> , 2010, 5, e15126.	2.5	98
47	Identification of <i>YWHAE</i> , a gene encoding 14-3-3epsilon, as a possible susceptibility gene for schizophrenia. <i>Human Molecular Genetics</i> , 2008, 17, 3212-3222.	2.9	97
48	Decreased Brain pH as a Shared Endophenotype of Psychiatric Disorders. <i>Neuropsychopharmacology</i> , 2018, 43, 459-468.	5.4	94
49	Chronic fluoxetine treatment reduces parvalbumin expression and perineuronal nets in gamma-aminobutyric acidergic interneurons of the frontal cortex in adult mice. <i>Molecular Brain</i> , 2013, 6, 43.	2.6	86
50	<i>SIRT1</i> overexpression ameliorates a mouse model of <i>SOD1</i> -linked amyotrophic lateral sclerosis via <i>HSF1/HSP70</i> chaperone system. <i>Molecular Brain</i> , 2014, 7, 62.	2.6	77
51	Increased fearfulness of <i>Fyn</i> tyrosine kinase deficient mice. <i>Molecular Brain Research</i> , 1994, 27, 179-182.	2.3	75
52	Comprehensive Behavioral Analysis of Male <i>Ox1</i> Mice Showed Implication of Orexin Receptor-1 in Mood, Anxiety, and Social Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 324.	2.0	74
53	Comprehensive behavioral analysis of pituitary adenylate cyclase-activating polypeptide ( <i>PACAP</i> ) knockout mice. <i>Frontiers in Behavioral Neuroscience</i> , 2012, 6, 58.	2.0	73
54	Impact of brain-behavior phenotyping of genetically-engineered mice on research of neuropsychiatric disorders. <i>Neuroscience Research</i> , 2007, 58, 124-132.	1.9	72

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55	Nardilysin regulates axonal maturation and myelination in the central and peripheral nervous system. <i>Nature Neuroscience</i> , 2009, 12, 1506-1513.	14.8	72
56	Enriched environments influence depression-related behavior in adult mice and the survival of newborn cells in their hippocampi. <i>Behavioural Brain Research</i> , 2007, 180, 69-76.	2.2	71
57	Fluoxetine-Induced Cortical Adult Neurogenesis. <i>Neuropsychopharmacology</i> , 2013, 38, 909-920.	5.4	71
58	Comprehensive behavioral phenotyping of ryanodine receptor type3 (RyR3) knockout mice: Decreased social contact duration in two social interaction tests. <i>Frontiers in Behavioral Neuroscience</i> , 2009, 3, 3.	2.0	70
59	The Influence of Chronic Cerebral Hypoperfusion on Cognitive Function and Amyloid $\beta$ Metabolism in APP Overexpressing Mice. <i>PLoS ONE</i> , 2011, 6, e16567.	2.5	68
60	Inhibition of calpain increases LIS1 expression and partially rescues in vivo phenotypes in a mouse model of lissencephaly. <i>Nature Medicine</i> , 2009, 15, 1202-1207.	30.7	67
61	Mice with Altered Myelin Proteolipid Protein Gene Expression Display Cognitive Deficits Accompanied by Abnormal Neuron-Glia Interactions and Decreased Conduction Velocities. <i>Journal of Neuroscience</i> , 2009, 29, 8363-8371.	3.6	66
62	TRPV4 activation at the physiological temperature is a critical determinant of neuronal excitability and behavior. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 2495-2507.	2.8	66
63	T-maze Forced Alternation and Left-right Discrimination Tasks for Assessing Working and Reference Memory in Mice. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	65
64	Right-hemispheric dominance of spatial memory in split-brain mice. <i>Hippocampus</i> , 2012, 22, 117-121.	1.9	64
65	Radial maze performance, open-field and elevated plus-maze behaviors in Fyn-kinase deficient mice: Further evidence for increased fearfulness. <i>Molecular Brain Research</i> , 1996, 37, 145-150.	2.3	62
66	Mechanisms for Interferon- $\gamma$ -Induced Depression and Neural Stem Cell Dysfunction. <i>Stem Cell Reports</i> , 2014, 3, 73-84.	4.8	61
67	$\beta$ -Synuclein BAC transgenic mice as a model for Parkinson's disease manifested decreased anxiety-like behavior and hyperlocomotion. <i>Neuroscience Research</i> , 2012, 73, 173-177.	1.9	60
68	Down-regulation of protocadherin- $\beta$ A isoforms in mice changes contextual fear conditioning and spatial working memory. <i>European Journal of Neuroscience</i> , 2008, 28, 1362-1376.	2.6	59
69	Comprehensive Behavioral Analysis of Calcium/Calmodulin-Dependent Protein Kinase IV Knockout Mice. <i>PLoS ONE</i> , 2010, 5, e9460.	2.5	59
70	Distribution of Silver Nanoparticles to Breast Milk and Their Biological Effects on Breast-Fed Offspring Mice. <i>ACS Nano</i> , 2016, 10, 8180-8191.	14.6	59
71	Comprehensive behavioral analysis of heterozygous <i>Syngap1</i> knockout mice. <i>Neuropsychopharmacology Reports</i> , 2019, 39, 223-237.	2.3	58
72	The immature dentate gyrus represents a shared phenotype of mouse models of epilepsy and psychiatric disease. <i>Bipolar Disorders</i> , 2013, 15, 405-421.	1.9	57

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73	Arid1b Haploinsufficiency Causes Abnormal Brain Gene Expression and Autism-Related Behaviors in Mice. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1872.	4.1	57
74	Mice lacking the schizophrenia-associated protein FEZ1 manifest hyperactivity and enhanced responsiveness to psychostimulants. <i>Human Molecular Genetics</i> , 2008, 17, 3191-3203.	2.9	56
75	Scn2a haploinsufficient mice display a spectrum of phenotypes affecting anxiety, sociability, memory flexibility and ampakine CX516 rescues their hyperactivity. <i>Molecular Autism</i> , 2019, 10, 15.	4.9	56
76	Neural activity changes underlying the working memory deficit in alpha-CaMKII heterozygous knockout mice. <i>Frontiers in Behavioral Neuroscience</i> , 2009, 3, 20.	2.0	55
77	Chronic treatment with fluoxetine for more than 6 weeks decreases neurogenesis in the subventricular zone of adult mice. <i>Molecular Brain</i> , 2011, 4, 10.	2.6	53
78	Comprehensive behavioral analysis of the Cdkl5 knockout mice revealed significant enhancement in anxiety- and fear-related behaviors and impairment in both acquisition and long-term retention of spatial reference memory. <i>PLoS ONE</i> , 2018, 13, e0196587.	2.5	52
79	Synaptosomal-associated protein 25 mutation induces immaturity of the dentate granule cells of adult mice. <i>Molecular Brain</i> , 2013, 6, 12.	2.6	51
80	Comprehensive behavioral study of mGluR3 knockout mice: implication in schizophrenia related endophenotypes. <i>Molecular Brain</i> , 2014, 7, 31.	2.6	51
81	Gomafu lncRNA knockout mice exhibit mild hyperactivity with enhanced responsiveness to the psychostimulant methamphetamine. <i>Scientific Reports</i> , 2016, 6, 27204.	3.3	50
82	Relaxin-3-Deficient Mice Showed Slight Alteration in Anxiety-Related Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2011, 5, 50.	2.0	49
83	Impaired synaptic clustering of postsynaptic density proteins and altered signal transmission in hippocampal neurons, and disrupted learning behavior in PDZ1 and PDZ2 ligand binding-deficient PSD-95 knockin mice. <i>Molecular Brain</i> , 2012, 5, 43.	2.6	47
84	IL1RAPL1 knockout mice show spine density decrease, learning deficiency, hyperactivity and reduced anxiety-like behaviours. <i>Scientific Reports</i> , 2014, 4, 6613.	3.3	46
85	Obligatory roles of dopamine D1 receptors in the dentate gyrus in antidepressant actions of a selective serotonin reuptake inhibitor, fluoxetine. <i>Molecular Psychiatry</i> , 2020, 25, 1229-1244.	7.9	46
86	Comprehensive behavioral phenotyping of calpastatin-knockout mice. <i>Molecular Brain</i> , 2008, 1, 7.	2.6	44
87	M4 muscarinic receptor knockout mice display abnormal social behavior and decreased prepulse inhibition. <i>Molecular Brain</i> , 2012, 5, 10.	2.6	44
88	Decreased cohesin in the brain leads to defective synapse development and anxiety-related behavior. <i>Journal of Experimental Medicine</i> , 2017, 214, 1431-1452.	8.5	44
89	Expression of tryptophan 2,3-dioxygenase in mature granule cells of the adult mouse dentate gyrus. <i>Molecular Brain</i> , 2010, 3, 26.	2.6	43
90	Absence of BRINP1 in mice causes increase of hippocampal neurogenesis and behavioral alterations relevant to human psychiatric disorders. <i>Molecular Brain</i> , 2014, 7, 12.	2.6	42

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91	Loss of X-linked Protocadherin-19 differentially affects the behavior of heterozygous female and hemizygous male mice. <i>Scientific Reports</i> , 2017, 7, 5801.	3.3	42
92	Relationships between the acoustic startle response and prepulse inhibition in C57BL/6J mice: a large-scale meta-analytic study. <i>Molecular Brain</i> , 2018, 11, 42.	2.6	42
93	Investigating Gene-to-Behavior Pathways in Psychiatric Disorders: The Use of a Comprehensive Behavioral Test Battery on Genetically Engineered Mice. <i>Annals of the New York Academy of Sciences</i> , 2006, 1086, 144-159.	3.8	41
94	Stress-Evoked Tyrosine Phosphorylation of Signal Regulatory Protein $\beta$ Regulates Behavioral Immobility in the Forced Swim Test. <i>Journal of Neuroscience</i> , 2010, 30, 10472-10483.	3.6	41
95	Expression of progenitor cell/immature neuron markers does not present definitive evidence for adult neurogenesis. <i>Molecular Brain</i> , 2019, 12, 108.	2.6	41
96	Genetic ablation of NMDA receptor subunit NR3B in mouse reveals motoneuronal and nonmotoneuronal phenotypes. <i>European Journal of Neuroscience</i> , 2007, 26, 1407-1420.	2.6	40
97	Increased astrocytic ATP release results in enhanced excitability of the hippocampus. <i>Glia</i> , 2013, 61, 210-224.	4.9	40
98	Differential effects of stress exposure via two types of restraint apparatuses on behavior and plasma corticosterone level in inbred male BALB/cAJcl mice. <i>Neuropsychopharmacology Reports</i> , 2020, 40, 73-84.	2.3	40
99	M1-M5 Muscarinic Receptor Knockout Mice as Novel Tools to Study the Physiological Roles of the Muscarinic Cholinergic System. <i>Receptors and Channels</i> , 2003, 9, 279-290.	1.1	40
100	PRICKLE1 Interaction with SYNAPSIN I Reveals a Role in Autism Spectrum Disorders. <i>PLoS ONE</i> , 2013, 8, e80737.	2.5	39
101	Transcriptomic evidence for immaturity of the prefrontal cortex in patients with schizophrenia. <i>Molecular Brain</i> , 2014, 7, 41.	2.6	39
102	Enhanced susceptibility of audiogenic seizures in Fyn-kinase deficient mice. <i>Molecular Brain Research</i> , 1995, 28, 349-352.	2.3	38
103	Circadian Gene Circuitry Predicts Hyperactive Behavior in a Mood Disorder Mouse Model. <i>Cell Reports</i> , 2016, 14, 2784-2796.	6.4	38
104	Expression of the AMPA Receptor Subunits GluR1 and GluR2 is Associated with Granule Cell Maturation in the Dentate Gyrus. <i>Frontiers in Neuroscience</i> , 2011, 5, 100.	2.8	37
105	Comprehensive behavioral analysis of ENU-induced Disc1-Q31L and -L100P mutant mice. <i>BMC Research Notes</i> , 2012, 5, 108.	1.4	37
106	Acceleration of visually cued conditioned fear through the auditory pathway. <i>Nature Neuroscience</i> , 2004, 7, 968-973.	14.8	36
107	Normal mitochondrial respiratory function is essential for spatial remote memory in mice. <i>Molecular Brain</i> , 2008, 1, 21.	2.6	36
108	Mice that lack the C-terminal region of Reelin exhibit behavioral abnormalities related to neuropsychiatric disorders. <i>Scientific Reports</i> , 2016, 6, 28636.	3.3	36

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109	Dorsal Forebrain-Specific Deficiency of Reelin-Dab1 Signal Causes Behavioral Abnormalities Related to Psychiatric Disorders. <i>Cerebral Cortex</i> , 2017, 27, 3485-3501.	2.9	36
110	Oligodendrocyte dysfunction due to Chd8 mutation gives rise to behavioral deficits in mice. <i>Human Molecular Genetics</i> , 2020, 29, 1274-1291.	2.9	36
111	Comprehensive behavioural study of GluR4 knockout mice: implication in cognitive function. <i>Genes, Brain and Behavior</i> , 2010, 9, 899-909.	2.2	35
112	IRBIT regulates CaMKII $\beta$ activity and contributes to catecholamine homeostasis through tyrosine hydroxylase phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5515-5520.	7.1	35
113	Effects of test experience, closed-arm wall color, and illumination level on behavior and plasma corticosterone response in an elevated plus maze in male C57BL/6J mice: a challenge against conventional interpretation of the test. <i>Molecular Brain</i> , 2021, 14, 34.	2.6	35
114	Loss of the neural-specific BAF subunit ACTL6B relieves repression of early response genes and causes recessive autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10055-10066.	7.1	34
115	Mice lacking the <i>kf-1</i> gene exhibit increased anxiety- but not despair-like behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2008, 2, 4.	2.0	33
116	Comprehensive behavioral analysis of RNG105 ( <i>Caprin1</i> ) heterozygous mice: Reduced social interaction and attenuated response to novelty. <i>Scientific Reports</i> , 2016, 6, 20775.	3.3	33
117	Comprehensive behavioral analysis of voltage-gated calcium channel beta-anchoring and -regulatory protein knockout mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 141.	2.0	32
118	Abnormal Synaptic Transmission in the Olfactory Bulb of Fyn-Kinase-Deficient Mice. <i>Journal of Neurophysiology</i> , 1998, 79, 137-142.	1.8	31
119	Disruption of the Sjögren-Larsson Syndrome Gene <i>Aldh3a2</i> in Mice Increases Keratinocyte Growth and Retards Skin Barrier Recovery. <i>Journal of Biological Chemistry</i> , 2016, 291, 11676-11688.	3.4	30
120	Altered sensitivities to morphine and cocaine in scaffold protein tamalin knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14789-14794.	7.1	29
121	Mice lacking collapsin response mediator protein 1 manifest hyperactivity, impaired learning and memory, and impaired prepulse inhibition. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 216.	2.0	29
122	Increased anxiety-like behavior in neuropsin (kallikrein-related peptidase 8) gene-deficient mice. <i>Behavioral Neuroscience</i> , 2008, 122, 498-504.	1.2	28
123	Comprehensive behavioral phenotyping of a new Semaphorin 3A mutant mouse. <i>Molecular Brain</i> , 2016, 9, 15.	2.6	28
124	Distribution of Caskin1 protein and phenotypic characterization of its knockout mice using a comprehensive behavioral test battery. <i>Molecular Brain</i> , 2018, 11, 63.	2.6	28
125	Fluoxetine-induced dematuration of hippocampal neurons and adult cortical neurogenesis in the common marmoset. <i>Molecular Brain</i> , 2019, 12, 69.	2.6	28
126	QRFP-Deficient Mice Are Hypophagic, Lean, Hypoactive and Exhibit Increased Anxiety-Like Behavior. <i>PLoS ONE</i> , 2016, 11, e0164716.	2.5	28



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127	ENU-mutagenesis mice with a non-synonymous mutation in Grin1 exhibit abnormal anxiety-like behaviors, impaired fear memory, and decreased acoustic startle response. BMC Research Notes, 2013, 6, 203.	1.4	27
128	Behavioral and electrophysiological evidence for a neuroprotective role of aquaporin-4 in the 5xFAD transgenic mice model. Acta Neuropathologica Communications, 2020, 8, 67.	5.2	27
129	Abnormalities in perineuronal nets and behavior in mice lacking CSGalNacT1, a key enzyme in chondroitin sulfate synthesis. Molecular Brain, 2017, 10, 47.	2.6	25
130	Synaptic E3 Ligase SCRAPPER in Contextual Fear Conditioning: Extensive Behavioral Phenotyping of Scrapper Heterozygote and Overexpressing Mutant Mice. PLoS ONE, 2011, 6, e17317.	2.5	25
131	Targeted deletion of the C-terminus of the mouse adenomatous polyposis coli tumor suppressor results in neurologic phenotypes related to schizophrenia. Molecular Brain, 2014, 7, 21.	2.6	24
132	Increased depression-related behavior during the postpartum period in inbred BALB/c and C57BL/6 strains. Molecular Brain, 2019, 12, 70.	2.6	24
133	DRPLA transgenic mouse substrains carrying single copy of full-length mutant human DRPLA gene with variable sizes of expanded CAG repeats exhibit CAG repeat length- and age-dependent changes in behavioral abnormalities and gene expression profiles. Neurobiology of Disease, 2012, 46, 336-350.	4.4	23
134	Chronic overload of SEPT4, a parkin substrate that aggregates in Parkinson's disease, causes behavioral alterations but not neurodegeneration in mice. Molecular Brain, 2013, 6, 35.	2.6	23
135	Transcriptomic immaturity of the hippocampus and prefrontal cortex in patients with alcoholism. Scientific Reports, 2017, 7, 44531.	3.3	23
136	Mutation-induced loss of APP function causes GABAergic depletion in recessive familial Alzheimer's disease: analysis of Osaka mutation-knockin mice. Acta Neuropathologica Communications, 2017, 5, 59.	5.2	23
137	Comprehensive Behavioral Analysis of Cluster of Differentiation 47 Knockout Mice. PLoS ONE, 2014, 9, e89584.	2.5	22
138	Transcriptomic evidence for immaturity induced by antidepressant fluoxetine in the hippocampus and prefrontal cortex. Neuropsychopharmacology Reports, 2019, 39, 78-89.	2.3	22
139	Differential effect of Fyn tyrosine kinase deletion on offensive and defensive aggression. Behavioural Brain Research, 2001, 122, 51-56.	2.2	21
140	A CDC42EP4/septin-based perisynaptic glial scaffold facilitates glutamate clearance. Nature Communications, 2015, 6, 10090.	12.8	21
141	Immature morphological properties in subcellular-scale structures in the dentate gyrus of Schnurri-2 knockout mice: a model for schizophrenia and intellectual disability. Molecular Brain, 2017, 10, 60.	2.6	21
142	Susceptibility to drug-induced seizures of Fyn tyrosine kinase-deficient mice. NeuroReport, 1996, 7, 2723-2726.	1.2	20
143	Adenomatous polyposis coli heterozygous knockout mice display hypoactivity and age-dependent working memory deficits. Frontiers in Behavioral Neuroscience, 2011, 5, 85.	2.0	20
144	Increased Behavioral and Neuronal Responses to a Hallucinogenic Drug in PACAP Heterozygous Mutant Mice. PLoS ONE, 2014, 9, e89153.	2.5	20

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145	Neural symptoms in a gene knockout mouse model of Sjögren-Larsson syndrome are associated with a decrease in 2-hydroxygalactosylceramide. <i>FASEB Journal</i> , 2019, 33, 928-941.	0.5	20
146	Post-natal treatment by a blood-brain-barrier permeable calpain inhibitor, SNJ1945 rescued defective function in lissencephaly. <i>Scientific Reports</i> , 2013, 3, 1224.	3.3	19
147	Comprehensive Behavioral Analysis of Activating Transcription Factor 5-Deficient Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 125.	2.0	19
148	Comprehensive behavioral analysis of mice deficient in Rapgef2 and Rapgef6, a subfamily of guanine nucleotide exchange factors for Rap small GTPases possessing the Ras/Rap-associating domain. <i>Molecular Brain</i> , 2018, 11, 27.	2.6	19
149	Behavioral Abnormalities Observed in Zfhx2-Deficient Mice. <i>PLoS ONE</i> , 2012, 7, e53114.	2.5	19
150	Comprehensive behavioral analysis of tryptophan 2,3-dioxygenase ( <i>Tdo2</i> ) knockout mice. <i>Neuropsychopharmacology Reports</i> , 2018, 38, 52-60.	2.3	18
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