David P Wolfer

List of Publications by Year
in descending order

155 papers	15,522 citations	14655 66 h-index	18130 120 g-index

271 all docs	271 docs citations	271 times ranked	16757 citing authors

#	Article	IF	Citations
1	Arc/Arg3.1 Is Essential for the Consolidation of Synaptic Plasticity and Memories. Neuron, 2006, 52, 437-444.	8.1	743
2	Essential Role for TrkB Receptors in Hippocampus-Mediated Learning. Neuron, 1999, 24, 401-414.	8.1	731
3	GlyR Î±3: An Essential Target for Spinal PGE ₂ -Mediated Inflammatory Pain Sensitization. Science, 2004, 304, 884-887.	12.6	569
4	A role for the Ras signalling pathway in synaptic transmission and long-term memory. Nature, 1997, 390, 281-286.	27.8	449
5	Mice with Combined Gene Knock-Outs Reveal Essential and Partially Redundant Functions of Amyloid Precursor Protein Family Members. Journal of Neuroscience, 2000, 20, 7951-7963.	3.6	430
6	The AP-1 Transcription Factor c-Jun Is Required for Efficient Axonal Regeneration. Neuron, 2004, 43, 57-67.	8.1	429
7	Knockout of ERK1 MAP Kinase Enhances Synaptic Plasticity in the Striatum and Facilitates Striatal-Mediated Learning and Memory. Neuron, 2002, 34, 807-820.	8.1	420
8	Cerebellar ataxia and Purkinje cell dysfunction caused by Ca2+-activated K+ channel deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9474-9478.	7.1	360
9	The Secreted Î²-Amyloid Precursor Protein Ectodomain APPsÎ± Is Sufficient to Rescue the Anatomical, Behavioral, and Electrophysiological Abnormalities of APP-Deficient Mice. Journal of Neuroscience, 2007, 27, 7817-7826.	3.6	334
10	Mice lacking the gene encoding tissue-type plasminogen activator show a selective interference with late-phase long-term potentiation in both Schaffer collateral and mossy fiber pathways.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8699-8704.	7.1	323
11	Behavioral and anatomical deficits in mice homozygous for a modified ?-amyloid precursor protein gene. Cell, 1994, 79, 755-765.	28.9	294
12	Kinase-Independent Requirement of EphB2 Receptors in Hippocampal Synaptic Plasticity. Neuron, 2001, 32, 1027-1040.	8.1	285
13	Knockout mice: simple solutions to the problems of genetic background and flanking genes. Trends in Neurosciences, 2002, 25, 336-340.	8.6	258
14	Loss of the limbic mineralocorticoid receptor impairs behavioral plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 195-200.	7.1	240
15	Lack of parvalbumin in mice leads to behavioral deficits relevant to all human autism core symptoms and related neural morphofunctional abnormalities. Translational Psychiatry, 2015, 5, e525-e525.	4.8	231
16	Does cAMP Response Element-Binding Protein Have a Pivotal Role in Hippocampal Synaptic Plasticity and Hippocampus-Dependent Memory?. Journal of Neuroscience, 2003, 23, 6304-6314.	3.6	219
17	Cage enrichment and mouse behaviour. Nature, 2004, 432, 821-822.	27.8	214
18	Deficits in Memory Tasks of Mice with CREB Mutations Depend on Gene Dosage. Learning and Memory, 1998, 5, 274-288.	1.3	193

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19	Genetically modified mice and cognition. Current Opinion in Neurobiology, 1998, 8, 272-280.	4.2	187
20	Anatomy of rat semaphorin III collapsin-1 mRNA expression and relationship to developing nerve tracts during neuroembryogenesis. , 1996, 375, 378-392.		183
21	Defective limbic system in mice lacking the tailless gene. Nature, 1997, 390, 515-517.	27.8	172
22	Impairment of Mossy Fiber Long-Term Potentiation and Associative Learning in Pituitary Adenylate Cyclase Activating Polypeptide Type I Receptor-Deficient Mice. Journal of Neuroscience, 2001, 21, 5520-5527.	3.6	167
23	Deletion of the ryanodine receptor type 3 (RyR3) impairs forms of synaptic plasticity and spatial learning. EMBO Journal, 1999, 18, 5264-5273.	7.8	161
24	Expression of Neuroserpin, an Inhibitor of Tissue Plasminogen Activator, in the Developing and Adult Nervous System of the Mouse. Journal of Neuroscience, 1997, 17, 8984-8996.	3.6	157
25	APP and APLP2 are essential at PNS and CNS synapses for transmission, spatial learning and LTP. EMBO Journal, 2011, 30, 2266-2280.	7.8	157
26	Genetic background changes the pattern of forebrain commissure defects in transgenic mice underexpressing the Î²-amyloid-precursor protein. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4656-4661.	7.1	155
27	Genetic dissection of medial habenulaâ€“interpeduncular nucleus pathway function in mice. Frontiers in Behavioral Neuroscience, 2013, 7, 17.	2.0	151
28	Fluoxetine effects on molecular, cellular and behavioral endophenotypes of depression are driven by the living environment. Molecular Psychiatry, 2017, 22, 552-561.	7.9	150
29	Acute function of secreted amyloid precursor protein fragment APPsÎ± in synaptic plasticity. Acta Neuropathologica, 2015, 129, 21-37.	7.7	149
30	Distribution of TAG-1/Axonin-1 in fibre tracts and migratory streams of the developing mouse nervous system. Journal of Comparative Neurology, 1994, 345, 1-32.	1.6	145
31	Genetic disruption of mineralocorticoid receptor leads to impaired neurogenesis and granule cell degeneration in the hippocampus of adult mice. EMBO Reports, 2000, 1, 447-451.	4.5	142
32	Forebrain-specific trkB-receptor knockout mice: behaviorally more hyperactive than â€œdepressiveâ€• Biological Psychiatry, 2003, 54, 972-982.	1.3	141
33	Early life stress in fathers improves behavioural flexibility in their offspring. Nature Communications, 2014, 5, 5466.	12.8	140
34	Hsp70 Gene Transfer by Adeno-associated Virus Inhibits MPTP-Induced Nigrostriatal Degeneration in the Mouse Model of Parkinson Disease. Molecular Therapy, 2005, 11, 80-88.	8.2	137
35	Altered emotional behavior in PACAP-type-I-receptor-deficient mice. Molecular Brain Research, 2001, 92, 78-84.	2.3	133
36	Impaired explorative behavior and neophobia in genetically modified mice lacking or overexpressing the extracellular serine protease inhibitor neuroserpin. Molecular and Cellular Neurosciences, 2003, 23, 473-494.	2.2	133

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37	Using genetically-defined rodent strains for the identification of hippocampal traits relevant for two-way avoidance behavior: a non-invasive approach. Experientia, 1989, 45, 845-859.	1.2	131
38	Pigeon Homing along Highways and Exits. Current Biology, 2004, 14, 1239-1249.	3.9	128
39	Assessing the effects of the 129/Sv genetic background on swimming navigation learning in transgenic mutants: a study using mice with a modified Î²-amyloid precursor protein gene. Brain Research, 1997, 771, 1-13.	2.2	127
40	EEG Responses to Visual Landmarks in Flying Pigeons. Current Biology, 2009, 19, 1159-1166.	3.9	127
41	Effect of Population Heterogenization on the Reproducibility of Mouse Behavior: A Multi-Laboratory Study. PLoS ONE, 2011, 6, e16461.	2.5	126
42	Delayed melatonin administration promotes neuronal survival, neurogenesis and motor recovery, and attenuates hyperactivity and anxiety after mild focal cerebral ischemia in mice. Journal of Pineal Research, 2008, 45, 142-148.	7.4	123
43	Extended analysis of path data from mutant mice using the public domain software Wintrack. Physiology and Behavior, 2001, 73, 745-753.	2.1	121
44	Consistent behavioral phenotype differences between inbred mouse strains in the IntelliCage. Genes, Brain and Behavior, 2010, 9, 722-731.	2.2	121
45	Swimming navigation and structural variations of the infrapyramidal mossy fibers in the hippocampus of the mouse. Hippocampus, 1991, 1, 315-328.	1.9	120
46	Hippocampal pyramidal cells: the reemergence of cortical lamination. Brain Structure and Function, 2011, 216, 301-317.	2.3	116
47	Recovery of emotional behaviour in neural cell adhesion molecule (NCAM) null mutant mice through transgenic expression of NCAM180. European Journal of Neuroscience, 2000, 12, 3291-3306.	2.6	115
48	No hippocampal neuron or synaptic bouton loss in learning-impaired aged Î²-Amyloid precursor protein-null mice. Neuroscience, 1999, 90, 1207-1216.	2.3	112
49	Dissecting the Behaviour of Transgenic Mice: Is it the Mutation, the Genetic Background, or the Environment?. Experimental Physiology, 2000, 85, 627-634.	2.0	109
50	Neurotrypsin, a Novel Multidomain Serine Protease Expressed in the Nervous System. Molecular and Cellular Neurosciences, 1997, 9, 207-219.	2.2	108
51	Deletion of the mental retardation gene Gdi1 impairs associative memory and alters social behavior in mice. Human Molecular Genetics, 2002, 11, 2567-2580.	2.9	100
52	Flock flying improves pigeons' homing: GPS track analysis of individual flyers versus small groups. Animal Behaviour, 2008, 76, 1165-1172.	1.9	100
53	Automated test of behavioral flexibility in mice using a behavioral sequencing task in IntelliCage. Behavioural Brain Research, 2011, 221, 172-181.	2.2	100
54	Mice trisomic for a bacterial artificial chromosome with the single-minded 2 gene (Sim2) show phenotypes similar to some of those present in the partial trisomy 16 mouse models of Down syndrome. Human Molecular Genetics, 2000, 9, 1853-1864.	2.9	99

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55	A GPS logger and software for analysis of homing in pigeons and small mammals. Physiology and Behavior, 2000, 71, 589-596.	2.1	98
56	Fluoxetine treatment affects the inflammatory response and microglial function according to the quality of the living environment. Brain, Behavior, and Immunity, 2016, 58, 261-271.	4.1	96
57	Impaired spatial reference memory and increased exploratory behavior in P301L tau transgenic mice. Genes, Brain and Behavior, 2006, 5, 369-379.	2.2	94
58	Dysregulation of Rho GTPases in the Î±Pix/Arhgef6 mouse model of X-linked intellectual disability is paralleled by impaired structural and synaptic plasticity and cognitive deficits. Human Molecular Genetics, 2012, 21, 268-286.	2.9	94
59	Miniature Neurologgers for Flying Pigeons: Multichannel EEG and Action and Field Potentials in Combination With GPS Recording. Journal of Neurophysiology, 2006, 95, 1263-1273.	1.8	93
60	Defective intestinal amino acid absorption in Ace2 null mice. American Journal of Physiology - Renal Physiology, 2012, 303, G686-G695.	3.4	92
61	Deletion of the Coffinâ€“Lowry Syndrome Gene Rsk2 in Mice is Associated With Impaired Spatial Learning and Reduced Control of Exploratory Behavior. Behavior Genetics, 2007, 37, 31-50.	2.1	90
62	Spatial Memory and Learning in Transgenic Mice: Fact or Artifact?. Physiology, 1998, 13, 118-123.	3.1	85
63	Epileptiform Activity and Cognitive Deficits in SNAP-25+/â^' Mice are Normalized by Antiepileptic Drugs. Cerebral Cortex, 2014, 24, 364-376.	2.9	78
64	Lack of neprilysin suffices to generate murine amyloidâ€like deposits in the brain and behavioral deficit in vivo. Journal of Neuroscience Research, 2006, 84, 1871-1878.	2.9	74
65	Neurobehavioral development, adult openfield exploration and swimming navigation learning in mice with a modified Î²-amyloid precursor protein gene. Behavioural Brain Research, 1998, 95, 65-76.	2.2	72
66	A new computer program for detailed off-line analysis of swimming navigation in the Morris water maze. Journal of Neuroscience Methods, 1992, 41, 65-74.	2.5	68
67	The APP Intracellular Domain Is Required for Normal Synaptic Morphology, Synaptic Plasticity, and Hippocampus-Dependent Behavior. Journal of Neuroscience, 2015, 35, 16018-16033.	3.6	67
68	Modeling familial Danish dementia in mice supports the concept of the amyloid hypothesis of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7969-7974.	7.1	65
69	Conditioned response suppression in the IntelliCage: assessment of mouse strain differences and effects of hippocampal and striatal lesions on acquisition and retention of memory. Behavioural Brain Research, 2010, 213, 304-312.	2.2	65
70	Mutations in NONO lead to syndromic intellectual disability and inhibitory synaptic defects. Nature Neuroscience, 2015, 18, 1731-1736.	14.8	65
71	Hippocampal mossy fibers and swimming navigation in mice: Correlations with size and left-right asymmetries. Hippocampus, 1994, 4, 53-63.	1.9	64
72	Long-term monitoring of hippocampus-dependent behavior in naturalistic settings: Mutant mice lacking neurotrophin receptor TrkB in the forebrain show spatial learning but impaired behavioral flexibility. Hippocampus, 2002, 12, 27-38.	1.9	64

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73	Distinct inÂvivo roles of secreted <scp>APP</scp> ectodomain variants <scp>APP</scp> sÎ± and <scp>APP</scp> sÎ² in regulation of spine density, synaptic plasticity, and cognition. EMBO Journal, 2018, 37, .	7.8	62
74	Emotional instability but intact spatial cognition in adenosine receptor 1 knock out mice. Behavioural Brain Research, 2003, 145, 179-188.	2.2	58
75	Neuronal neprilysin overexpression is associated with attenuation of AÎ²-related spatial memory deficit. Neurobiology of Disease, 2006, 24, 475-483.	4.4	57
76	Dissecting the behaviour of transgenic mice: is it the mutation, the genetic background, or the environment?. Experimental Physiology, 2000, 85, 627-634.	2.0	57
77	The relationship between ventral striatal efferent fibers and the distribution of peptide-positive woolly fibers in the forebrain of the rhesus monkey. Neuroscience, 1990, 39, 323-338.	2.3	56
78	The impact of genetic background on neurodegeneration and behavior in seizured mice. Genes, Brain and Behavior, 2004, 3, 228-239.	2.2	54
79	Cloning of a Mouse Î²1,3N-Acetylglucosaminyltransferase GlcNAc(Î²1,3)Gal(Î²1,4)Glc-ceramide Synthase Gene Encoding the Key Regulator of Lacto-series Glycolipid Biosynthesis. Journal of Biological Chemistry, 2001, 276, 30261-30269.	3.4	53
80	Increased flexibility and selectivity in spatial learning of transgenic mice ectopically expressing the neural cell adhesion molecule L1 in astrocytes. European Journal of Neuroscience, 1998, 10, 708-717.	2.6	52
81	Similar reliability and equivalent performance of female and male mice in the open field and waterâ€maze place navigation task. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2017, 175, 380-391.	1.6	52
82	Phosphatidylinositide Dependent Kinase Deficiency Increases Anxiety and Decreases GABA and Serotonin Abundance in the Amygdala. Cellular Physiology and Biochemistry, 2008, 22, 735-744.	1.6	51
83	Mice deficient for the synaptic vesicle protein Rab3a show impaired spatial reversal learning and increased explorative activity but none of the behavioral changes shown by mice deficient for the Rab3a regulator Gdi1. European Journal of Neuroscience, 2004, 19, 1895-1905.	2.6	50
84	Temporal and spatial adaptation to food restriction in mice under naturalistic conditions. Behavioural Brain Research, 2000, 115, 1-8.	2.2	46
85	Selection for tameness, a key behavioral trait of domestication, increases adult hippocampal neurogenesis in foxes. Hippocampus, 2015, 25, 963-975.	1.9	46
86	Excessive erythrocytosis in adult mice overexpressing erythropoietin leads to hepatic, renal, neuronal, and muscular degeneration. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R947-R956.	1.8	45
87	Differences in locomotor behavior revealed in mice deficient for the calcium-binding proteins parvalbumin, calbindin D-28k or both. Behavioural Brain Research, 2007, 178, 250-261.	2.2	45
88	Hippocampal mossy fibers and swimming navigation learning in two vole species occupying different habitats. Hippocampus, 2000, 10, 17-30.	1.9	42
89	Multiple Roles of Neurotrypsin in Tissue Morphogenesis and Nervous System Development Suggested by the mRNA Expression Pattern. Molecular and Cellular Neurosciences, 2001, 18, 407-433.	2.2	42
90	Learning deficits in mice with persistent Borna disease virus infection of the CNS associated with elevated chemokine expression. Behavioural Brain Research, 2001, 120, 189-201.	2.2	42

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91	Transient activation of the CA3 Kappa opioid system in the dorsal hippocampus modulates complex memory processing in mice. Neurobiology of Learning and Memory, 2007, 88, 94-103.	1.9	41
92	Automated dissection of permanent effects of hippocampal or prefrontal lesions on performance at spatial, working memory and circadian timing tasks of C57BL/6 mice in IntelliCage. Behavioural Brain Research, 2018, 352, 8-22.	2.2	40
93	The acallosal mouse strain I/LnJ: a putative model of ADHD?. Neuroscience and Biobehavioral Reviews, 2000, 24, 45-50.	6.1	38
94	Spontaneous behavior in the social homecage discriminates strains, lesions and mutations in mice. Journal of Neuroscience Methods, 2014, 234, 26-37.	2.5	38
95	Selective breeding for extremes in open-field activity of mice entails a differentiation of hippocampal mossy fibers. Behavior Genetics, 1996, 26, 167-176.	2.1	37
96	Evidence for physiological growth of hippocampal mossy fiber collaterals in the guinea pig during puberty and adulthood. Hippocampus, 1995, 5, 329-340.	1.9	36
97	CIN85 regulates dopamine receptor endocytosis and governs behaviour in mice. EMBO Journal, 2010, 29, 2421-2432.	7.8	34
98	Expression of the axon growth-related neural adhesion molecule TAG-1/axonin-1 in the adult mouse brain. Anatomy and Embryology, 1998, 197, 177-185.	1.5	31
99	No evidence for loss of hippocampal neurons in non-Alzheimer dementia patients. Acta Neurologica Scandinavica, 2004, 109, 132-139.	2.1	31
100	mPer1 and mPer2 mutant mice show regular spatial and contextual learning in standardized tests for hippocampus-dependent learning. Journal of Neural Transmission, 2006, 113, 347-356.	2.8	31
101	Physical Workload and Work Capacity across Occupational Groups. PLoS ONE, 2016, 11, e0154073.	2.5	31
102	Learning and memory with neuropathic pain: impact of old age and progranulin deficiency. Frontiers in Behavioral Neuroscience, 2013, 7, 174.	2.0	30
103	Weak or missing paw lateralization in a mouse strain (I/LnJ) with congenital absence of the corpus callosum. Behavioural Brain Research, 1991, 46, 9-16.	2.2	29
104	Effects of Spatial and Cognitive Enrichment on Activity Pattern and Learning Performance in Three Strains of Mice in the IntelliMaze. Behavior Genetics, 2012, 42, 449-460.	2.1	28
105	MicelackingRas- GRF1 showcontextualfearcondition- ing butnotspatialmemoryimpair-ments:convergentevidencefromtwo independentlygeneratedmousemutant lines. Frontiers in Behavioral Neuroscience, 2011, 5, 78.	2.0	27
106	Loss of all three APP family members during development impairs synaptic function and plasticity, disrupts learning, and causes an autismâ€like phenotype. EMBO Journal, 2021, 40, e107471.	7.8	27
107	A 2-year longitudinal study of swimming navigation in mice devoid of the prion protein: no evidence for neurological anomalies or spatial learning impairments. Behavioural Brain Research, 1998, 95, 47-54.	2.2	26
108	Mutant <scp>MRPS</scp> 5 affects mitoribosomal accuracy and confers stressâ€related behavioral alterations. EMBO Reports, 2018, 19, .	4.5	26

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109	The Gene of Chicken Axonin-1. Complete Structure and Analysis of the Promoter. FEBS Journal, 1995, 227, 617-628.	0.2	26
110	Intact spatial memory in mice with seizure-induced partial lossof hippocampal pyramidal neurons. Neurobiology of Disease, 2003, 12, 174-181.	4.4	25
111	Association of Occupational and Leisure-Time Physical Activity with Aerobic Capacity in a Working Population. PLoS ONE, 2017, 12, e0168683.	2.5	25
112	S100A1-deficient male mice exhibit increased exploratory activity and reduced anxiety-related responses. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1307-1319.	4.1	24
113	Gravity anomalies without geomagnetic disturbances interfere with pigeon homing â€“ a GPS tracking study. Journal of Experimental Biology, 2014, 217, 4057-4067.	1.7	24
114	Premature aging in mice with error-prone protein synthesis. Science Advances, 2022, 8, eabl9051.	10.3	24
115	Long-Term Expression of Tissue-Inhibitor of Matrix Metalloproteinase-1 in the Murine Central Nervous System Does Not Alter the Morphological and Behavioral Phenotype but Alleviates the Course of Experimental Allergic Encephalomyelitis. American Journal of Pathology, 2010, 177, 840-853.	3.8	23
116	Enriched early experiences of mice underexpressing the Î²â€amyloid precursor protein restore spatial learning capabilities but not normal openfield behavior of adult animals. Genes, Brain and Behavior, 2002, 1, 230-241.	2.2	22
117	Genetic background problems in the analysis of cognitive and neuronal changes in genetically modified mice. Clinical Neuroscience Research, 2003, 3, 223-231.	0.8	22
118	Eliminating the VGlut2-Dependent Glutamatergic Transmission of Parvalbumin-Expressing Neurons Leads to Deficits in Locomotion and Vocalization, Decreased Pain Sensitivity, and Increased Dominance. Frontiers in Behavioral Neuroscience, 2018, 12, 146.	2.0	22
119	Paw preference and intra-/infrapyramidal mossy fibers in the hippocampus of the mouse. Behavior Genetics, 1996, 26, 379-390.	2.1	21
120	Largeâ€scale phenotyping links adult hippocampal neurogenesis to the reaction to novelty. Hippocampus, 2016, 26, 646-657.	1.9	21
121	Swimming navigation, open-field activity, and extrapolation behavior of two inbred mouse strains with Robertsonian translocation of chromosomes 8 and 17. Behavior Genetics, 1994, 24, 273-284.	2.1	20
122	Testing cognitive navigation in unknown territories: homing pigeons choose different targets. Journal of Experimental Biology, 2013, 216, 3123-3131.	1.7	19
123	Early AÎ² reduction prevents progression of cerebral amyloid angiopathy. Annals of Neurology, 2019, 86, 561-571.	5.3	18
124	Impaired acquisition of swimming navigation in adult mice exposed prenatally to oxazepam. Psychopharmacology, 1993, 111, 33-38.	3.1	17
125	Reduced locomotion in the serum and glucocorticoid inducible kinase 3 knock out mouse. Behavioural Brain Research, 2006, 167, 75-86.	2.2	16
126	Neprilysin Deficiency-Dependent Impairment of Cognitive Functions in a Mouse Model of Amyloidosis. Neurochemical Research, 2009, 34, 717-726.	3.3	16

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127	Disturbed Processing of Contextual Information in HCN3 Channel Deficient Mice. Frontiers in Molecular Neuroscience, 2017, 10, 436.	2.9	15
128	Lack of APP and APLP2 in GABAergic Forebrain Neurons Impairs Synaptic Plasticity and Cognition. Cerebral Cortex, 2020, 30, 4044-4063.	2.9	14
129	Similar target, different effects: late-onset ataxia and spatial learning in prion protein-deficient mouse lines. Neurogenetics, 2001, 3, 173-184.	1.4	13
130	Role of Environment and Experimenter in Reproducibility of Behavioral Studies With Laboratory Mice. Frontiers in Behavioral Neuroscience, 2022, 16, 835444.	2.0	12
131	Comparative Effects of Exposure to an Organophosphate Pesticide on Locomotor Activity of Laboratory Mice and Five Species of Wild Rodents. Bulletin of Environmental Contamination and Toxicology, 2003, 70, 138-145.	2.7	11
132	ATG5 in microglia does not contribute vitally to autoimmune neuroinflammation in mice. Autophagy, 2021, 17, 3566-3576.	9.1	11
133	Increased asymmetries in 2-deoxyglucose uptake in the brain of freely moving congenitally acallosal mice. Neuroscience, 1998, 87, 243-254.	2.3	10
134	Sampling the Mouse Hippocampal Dentate Gyrus. Frontiers in Neuroanatomy, 2017, 11, 123.	1.7	10
135	Mice Homozygous for a Modified Î²-Amyloid Precursor Protein (Î²APP) Gene Show Impaired Behavior and High Incidence of Agenesis of the Corpus Callosuma. Annals of the New York Academy of Sciences, 1996, 777, 65-73.	3.8	9
136	Loss of Nogo-A, encoded by the schizophrenia risk gene Rtn4, reduces mGlu3 expression and causes hyperexcitability in hippocampal CA3 circuits. PLoS ONE, 2018, 13, e0200896.	2.5	9
137	The Anti-amyloid Compound DO1 Decreases Plaque Pathology and Neuroinflammation-Related Expression Changes in 5xFAD Transgenic Mice. Cell Chemical Biology, 2019, 26, 109-120.e7.	5.2	8
138	Random errors in protein synthesis activate an age-dependent program of muscle atrophy in mice. Communications Biology, 2021, 4, 703.	4.4	8
139	Recurrent rewiring of the adult hippocampal mossy fiber system by a single transcriptional regulator, Id2. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
140	Natural neurobiology and behavior of the mouse. , 2013, , 5-16.		7
141	CBP-18, a Ca2+-Binding Protein in Rat Brain: Tissue Distribution and Localization. Journal of Neurochemistry, 1993, 60, 1639-1649.	3.9	6
142	Consistent within-group covariance of septal and temporal hippocampal neurogenesis with behavioral phenotypes for exploration and memory retention across wild and laboratory small rodents. Behavioural Brain Research, 2019, 372, 112034.	2.2	6
143	Developmental exposure to ozone induces subtle changes in swimming navigation of adult mice. Toxicology Letters, 1995, 81, 91-99.	0.8	4
144	Mouse Models of Hereditary Mental Retardation. Contemporary Clinical Neuroscience, 2006, , 101-125.	0.3	4

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145	APP and APLP2 are essential at PNS and CNS synapses for transmission, spatial learning and LTP. EMBO Journal, 2011, 30, 2306-2306.	7.8	3
146	Long-term monitoring of hippocampus-dependent behavior in naturalistic settings: Mutant mice lacking neurotrophin receptor TrkB in the forebrain show spatial learning but impaired behavioral flexibility. Hippocampus, 2002, 12, 27.	1.9	3
147	Big brains for bad genes: Nonmental correlates of encephalization. Evolutionary Anthropology, 2003, 11, 126-131.	3.4	2
148	Cognition in Rodents. , 2009, , 159-174.		2
149	What's wrong with my mouse? Behavioral phenotyping of transgenic and knockout mice. Genes, Brain and Behavior, 2002, 1, 131-131.	2.2	1
150	Water navigation tasks. , 2013, , 277-290.		1
151	Phosphoinositide-Dependent Protein Kinase 1 (PDK1). Zeitschrift Fur Psychologie / Journal of Psychology, 2015, 223, 165-172.	1.0	1
152	Phenotype of Mrps5-Associated Phylogenetic Polymorphisms Is Intimately Linked to Mitoribosomal Misreading. International Journal of Molecular Sciences, 2022, 23, 4384.	4.1	1
153	The Gene of Chicken Axoninâ€1. FEBS Journal, 1995, 227, 617-628.	0.2	0
154	Taste and odor. , 0, , 325-330.		0
155	Natural Genetic Variation of Hippocampal Structures and Behavior. , 1999, , .		0