Rudi D'Hooge

List of Publications by Year
in descending order

166 papers	10,614 citations	38742 50 h-index	36028 97 g-index
171 all docs	171 docs citations	171 times ranked	16089 citing authors

#	Article	IF	Citations
1	Automated procedure to assess pup retrieval in laboratory mice. Scientific Reports, 2022, 12, 1663.	3.3	14
2	Aged Tmem106b knockout mice display gait deficits in coincidence with Purkinje cell loss and only limited signs of nonâ€motor dysfunction. Brain Pathology, 2021, 31, 223-238.	4.1	15
3	Spectrum of social alterations in the Neurobeachin haploinsufficiency mouse model of autism. Brain Research Bulletin, 2021, 167, 11-21.	3.0	3
4	Comparison between touchscreen operant chambers and water maze to detect early prefrontal dysfunction in mice. Genes, Brain and Behavior, 2021, 20, e12695.	2.2	10
5	Methylene tetrahydrofolate reductase A1298C polymorphisms influence the adult sequelae of chemotherapy in childhood-leukemia survivors. PLoS ONE, 2021, 16, e0250228.	2.5	2
6	Effects of orbitofrontal cortex and ventral hippocampus disconnection on spatial reversal learning. Neuroscience Letters, 2021, 750, 135711.	2.1	4
7	OUP accepted manuscript. Cerebral Cortex, 2021, , .	2.9	1
8	Chronic Sodium Selenate Treatment Restores Deficits in Cognition and Synaptic Plasticity in a Murine Model of Tauopathy. Frontiers in Molecular Neuroscience, 2020, 13, 570223.	2.9	10
9	The FTLD Risk Factor TMEM106B Regulates the Transport of Lysosomes at the Axon Initial Segment of Motoneurons. Cell Reports, 2020, 30, 3506-3519.e6.	6.4	47
10	Post-weaning infant-to-mother bonding in nutritionally independent female mice. PLoS ONE, 2020, 15, e0227034.	2.5	3
11	Folic Acid Fortification Prevents Morphological and Behavioral Consequences of X-Ray Exposure During Neurulation. Frontiers in Behavioral Neuroscience, 2020, 14, 609660.	2.0	5
12	The autism- and schizophrenia-associated protein CYFIP1 regulates bilateral brain connectivity and behaviour. Nature Communications, 2019, 10, 3454.	12.8	65
13	Differential effects of post-training scopolamine on spatial and non-spatial learning tasks in mice. Brain Research Bulletin, 2019, 152, 52-62.	3.0	3
14	Methotrexate Affects Cerebrospinal Fluid Folate and Tau Levels and Induces Late Cognitive Deficits in Mice. Neuroscience, 2019, 404, 62-70.	2.3	14
15	Noradrenergic and dopaminergic involvement in novelty modulation of aversive memory generalization of adult rats. Behavioural Brain Research, 2019, 371, 111991.	2.2	8
16	Impaired Reversal Learning in APPPS1-21 Mice in the Touchscreen Visual Discrimination Task. Frontiers in Behavioral Neuroscience, 2019, 13, 92.	2.0	17
17	NMDA receptor dependence of reversal learning and the flexible use of cognitively demanding search strategies in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 90, 235-244.	4.8	12
18	Acquisition of Spatial Search Strategies and Reversal Learning in the Morris Water Maze Depend on Disparate Brain Functional Connectivity in Mice. Cerebral Cortex, 2019, 29, 4519-4529.	2.9	16

#	Article	IF	Citations
19	Novelty exposure hinders aversive memory generalization and depends on hippocampal protein synthesis. Behavioural Brain Research, 2019, 359, 89-94.	2.2	3
20	Subtle behavioral changes and increased prefrontal-hippocampal network synchronicity in APPNLâˆ’Gâˆ’F mice before prominent plaque deposition. Behavioural Brain Research, 2019, 364, 431-441.	2.2	63
21	Brain Connectivity and Cognitive Flexibility in Nonirradiated Adult Survivors of Childhood Leukemia. Journal of the National Cancer Institute, 2018, 110, 905-913.	6.3	25
22	Assessment of Social Transmission of Food Preferences Behaviors. Journal of Visualized Experiments, 2018, , .	0.3	0
23	Spatial reversal learning defect coincides with hypersynchronous telencephalic BOLD functional connectivity in APPNL-F/NL-F knock-in mice. Scientific Reports, 2018, 8, 6264.	3.3	41
24	Reversal of memory and neuropsychiatric symptoms and reduced tau pathology by selenium in 3xTg-AD mice. Scientific Reports, 2018, 8, 6431.	3.3	35
25	High fat diet treatment impairs hippocampal long-term potentiation without alterations of the core neuropathological features of Alzheimer disease. Neurobiology of Disease, 2018, 113, 82-96.	4.4	34
26	Testosterone boosts physical activity in male mice via dopaminergic pathways. Scientific Reports, 2018, 8, 957.	3.3	43
27	Pre-exposure and retrieval effects on generalization of contextual fear. Learning and Motivation, 2018, 63, 20-26.	1.2	3
28	Increased Insoluble Amyloid-Î² Induces Negligible Cognitive Deficits in Old AppNL/NL Knock-In Mice. Journal of Alzheimer's Disease, 2018, 66, 801-809.	2.6	8
29	PLD3 and spinocerebellar ataxia. Brain, 2018, 141, e78-e78.	7.6	11
30	Sensorimotor and Neurocognitive Dysfunctions Parallel Early Telencephalic Neuropathology in Fucosidosis Mice. Frontiers in Behavioral Neuroscience, 2018, 12, 69.	2.0	4
31	Neuronal Dysfunction and Behavioral Abnormalities Are Evoked by Neural Cells and Aggravated by Inflammatory Microglia in Peroxisomal Î²-Oxidation Deficiency. Frontiers in Cellular Neuroscience, 2018, 12, 136.	3.7	13
32	A translational perspective on neural circuits of fear extinction: Current promises and challenges. Neurobiology of Learning and Memory, 2018, 155, 113-126.	1.9	38
33	Failures to replicate blocking are surprising and informativeâ€"Reply to Soto (2018).. Journal of Experimental Psychology: General, 2018, 147, 603-610.	2.1	7
34	Progressive leukoencephalopathy impairs neurobehavioral development in sialin-deficient mice. Experimental Neurology, 2017, 291, 106-119.	4.1	10
35	Long-term enzyme replacement therapy improves neurocognitive functioning and hippocampal synaptic plasticity in immune-tolerant alpha-mannosidosis mice. Neurobiology of Disease, 2017, 106, 255-268.	4.4	8
36	Neurocognitive Sequelae in Adult Childhood Leukemia Survivors Related to Levels of Phosphorylated Tau. Journal of the National Cancer Institute, 2017, 109, .	6.3	10

#	Article	IF	Citations
37	Prevention and treatment strategies for contextual overgeneralization. Scientific Reports, 2017, 7, 16967.	3.3	3
38	Individual Difference Factors in the Learning and Transfer of Patterning Discriminations. Frontiers in Psychology, 2017, 8, 1262.	2.1	5
39	Tetraspanin 6: A novel regulator of hippocampal synaptic transmission and long term plasticity. PLoS ONE, 2017, 12, e0171968.	2.5	16
40	Comparison of the spatial-cognitive functions of dorsomedial striatum and anterior cingulate cortex in mice. PLoS ONE, 2017, 12, e0176295.	2.5	13
41	Unpredictable chronic mild stress differentially impairs social and contextual discrimination learning in two inbred mouse strains. PLoS ONE, 2017, 12, e0188537.	2.5	21
42	Persistent Impact of In utero Irradiation on Mouse Brain Structure and Function Characterized by MR Imaging and Behavioral Analysis. Frontiers in Behavioral Neuroscience, 2016, 10, 83.	2.0	26
43	Early pathologic amyloid induces hypersynchrony of BOLD restingâ€state networks in transgenic mice and provides an early therapeutic window before amyloid plaque deposition. Alzheimer's and Dementia, 2016, 12, 964-976.	0.8	76
44	The elusive nature of the blocking effect: 15 failures to replicate.. Journal of Experimental Psychology: General, 2016, 145, e49-e71.	2.1	49
45	A mouse model for fucosidosis recapitulates storage pathology and neurological features of the milder form of the human disease. DMM Disease Models and Mechanisms, 2016, 9, 1015-28.	2.4	11
46	Quinolinic acid injection in mouse medial prefrontal cortex affects reversal learning abilities, cortical connectivity and hippocampal synaptic plasticity. Scientific Reports, 2016, 6, 36489.	3.3	53
47	Inability to acquire spatial information and deploy spatial search strategies in mice with lesions in dorsomedial striatum. Behavioural Brain Research, 2016, 298, 134-141.	2.2	15
48	Chronic enzyme replacement therapy ameliorates neuropathology in alphaâ€mannosidosis mice. Annals of Clinical and Translational Neurology, 2015, 2, 987-1001.	3.7	8
49	Virtual water maze learning in human increases functional connectivity between posterior hippocampus and dorsal caudate. Human Brain Mapping, 2015, 36, 1265-1277.	3.6	43
50	Nxf7 deficiency impairs social exploration and spatio-cognitive abilities as well as hippocampal synaptic plasticity in mice. Frontiers in Behavioral Neuroscience, 2015, 9, 179.	2.0	13
51	Anti-inflammatory Therapy With Simvastatin Improves Neuroinflammation and CNS Function in a Mouse Model of Metachromatic Leukodystrophy. Molecular Therapy, 2015, 23, 1160-1168.	8.2	39
52	Functional Dissociation of Group III Metabotropic Glutamate Receptors Revealed by Direct Comparison between the Behavioral Profiles of Knockout Mouse Lines. International Journal of Neuropsychopharmacology, 2015, 18, pyv053.	2.1	24
53	Telencephalic neurocircuitry and synaptic plasticity in rodent spatial learning and memory. Brain Research, 2015, 1621, 294-308.	2.2	14
54	Emotional disorders in adult mice heterozygous for the transcription factor Phox2b. Physiology and Behavior, 2015, 141, 120-126.	2.1	9

#	Article	IF	Citations
55	Dysregulated ADAM10-Mediated Processing of APP during a Critical Time Window Leads to Synaptic Deficits in Fragile X Syndrome. Neuron, 2015, 87, 382-398.	8.1	59
56	Longitudinal follow-up and characterization of a robust rat model for Parkinson's disease based on overexpression of alpha-synuclein with adeno-associated viral vectors. Neurobiology of Aging, 2015, 36, 1543-1558.	3.1	75
57	Feature- versus rule-based generalization in rats, pigeons and humans. Animal Cognition, 2015, 18, 1267-1284.	1.8	53
58	Loss of GPR3 reduces the amyloid plaque burden and improves memory in Alzheimerâ€™s disease mouse models. Science Translational Medicine, 2015, 7, 309ra164.	12.4	61
59	Brain endothelial TAK1 and NEMO safeguard the neurovascular unit. Journal of Experimental Medicine, 2015, 212, 1529-1549.	8.5	65
60	Rescue of impaired lateâ€"phase long-term depression in a tau transgenic mouse model. Neurobiology of Aging, 2015, 36, 730-739.	3.1	37
61	Amyloid-Î² pathology is attenuated by tauroursodeoxycholic acid treatment in APP/PS1 mice after disease onset. Neurobiology of Aging, 2015, 36, 228-240.	3.1	86
62	Distinct and simultaneously active plasticity mechanisms in mouse hippocampus during different phases of Morris water maze training. Brain Structure and Function, 2015, 220, 1273-1290.	2.3	20
63	Improvement of biochemical and behavioral defects in the Niemannâ€"Pick type A mouse by intraventricular infusion of MARCKS. Neurobiology of Disease, 2015, 73, 319-326.	4.4	6
64	Deficiency of the miR-29a/b-1 cluster leads to ataxic features and cerebellar alterations in mice. Neurobiology of Disease, 2015, 73, 275-288.	4.4	46
65	MMP-2 mediates Purkinje cell morphogenesis and spine development in the mouse cerebellum. Brain Structure and Function, 2015, 220, 1601-1617.	2.3	18
66	Genetic deletion of PDE10A selectively impairs incentive salience attribution and decreases medium spiny neuron excitability. Behavioural Brain Research, 2014, 268, 48-54.	2.2	16
67	More complex brains are not always better: rats outperform humans in implicit category-based generalization by implementing a similarity-based strategy. Psychonomic Bulletin and Review, 2014, 21, 1080-1086.	2.8	21
68	Improved Long-Term Memory via Enhancing cGMP-PKG Signaling Requires cAMP-PKA Signaling. Neuropsychopharmacology, 2014, 39, 2497-2505.	5.4	90
69	Cognition and hippocampal synaptic plasticity in mice with a homozygous tau deletion. Neurobiology of Aging, 2014, 35, 2474-2478.	3.1	116
70	SSP-002392, a new 5-HT4 receptor agonist, dose-dependently reverses scopolamine-induced learning and memory impairments in C57Bl/6 mice. Neuropharmacology, 2014, 85, 178-189.	4.1	33
71	Postnatal Disruption of the Disintegrin/Metalloproteinase ADAM10 in Brain Causes Epileptic Seizures, Learning Deficits, Altered Spine Morphology, and Defective Synaptic Functions. Journal of Neuroscience, 2013, 33, 12915-12928.	3.6	107
72	Amyloid and Tau Neuropathology Differentially Affect Prefrontal Synaptic Plasticity and Cognitive Performance in Mouse Models of Alzheimer's Disease. Journal of Alzheimer's Disease, 2013, 37, 109-125.	2.6	32

#	Article	IF	Citations
73	Behavioural alterations relevant to developmental brain disorders in mice with neonatally induced ventral hippocampal lesions. Brain Research Bulletin, 2013, 94, 71-81.	3.0	22
74	Progressive Age-Related Cognitive Decline in Tau Mice. Journal of Alzheimer's Disease, 2013, 37, 777-788.	2.6	38
75	Tauroursodeoxycholic acid suppresses amyloid Î²-induced synaptic toxicity in vitro and in APP/PS1 mice. Neurobiology of Aging, 2013, 34, 551-561.	3.1	44
76	AMIGO2 mRNA expression in hippocampal CA2 and CA3a. Brain Structure and Function, 2013, 218, 123-130.	2.3	39
77	Haploinsufficiency of VGluT1 but not VGluT2 impairs extinction of spatial preference and response suppression. Behavioural Brain Research, 2013, 245, 13-21.	2.2	13
78	Dose-dependent improvements in learning and memory deficits in APPPS1-21 transgenic mice treated with the orally active AÎ² toxicity inhibitor SEN1500. Neuropharmacology, 2013, 75, 458-466.	4.1	12
79	Increased gait variability in mice with small cerebellar cortex lesions and normal rotarod performance. Behavioural Brain Research, 2013, 241, 32-37.	2.2	41
80	Haploinsufficiency of the autism candidate gene Neurobeachin induces autism-like behaviors and affects cellular and molecular processes of synaptic plasticity in mice. Neurobiology of Disease, 2013, 51, 144-151.	4.4	54
81	Chronic 5-HT4 receptor activation decreases AÎ² production and deposition in hAPP/PS1 mice. Neurobiology of Aging, 2013, 34, 1779-1789.	3.1	44
82	Selective inhibition of phosphodiesterase 10A impairs appetitive and aversive conditioning and incentive salience attribution. Neuropharmacology, 2013, 75, 437-444.	4.1	10
83	Observations in THY-Tau22 mice that resemble behavioral and psychological signs and symptoms of dementia. Behavioural Brain Research, 2013, 242, 34-39.	2.2	20
84	Tauroursodeoxycholic acid (TUDCA) supplementation prevents cognitive impairment and amyloid deposition in APP/PS1 mice. Neurobiology of Disease, 2013, 50, 21-29.	4.4	93
85	Homologous involvement of striatum and prefrontal cortex in rodent and human water maze learning. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3131-3136.	7.1	76
86	Low hippocampal PI(4,5)P2 contributes to reduced cognition in old mice as a result of loss of MARCKS. Nature Neuroscience, 2013, 16, 449-455.	14.8	56
87	Chronic administration of AFQ056/Mavoglurant restores social behaviour in Fmr1 knockout mice. Behavioural Brain Research, 2013, 239, 72-79.	2.2	86
88	Comment on â€œApoE-Directed Therapeutics Rapidly Clear Î²-Amyloid and Reverse Deficits in AD Mouse Modelsâ€• Science, 2013, 340, 924-924.	12.6	125
89	Generation and Characterization of an Nxf7 Knockout Mouse to Study NXF5 Deficiency in a Patient with Intellectual Disability. PLoS ONE, 2013, 8, e64144.	2.5	7
90	Efficacy of enzyme replacement therapy in an aggravated mouse model of metachromatic leukodystrophy declines with age. Human Molecular Genetics, 2012, 21, 2599-2609.	2.9	48

#	Article	IF	Citations
91	Arylsulfatase G inactivation causes loss of heparan sulfate 3- O -sulfatase activity and mucopolysaccharidosis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10310-10315.	7.1	61
92	Olfactory classical conditioning in neonatal mouse pups using thermal stimuli. Behavioural Brain Research, 2012, 229, 250-256.	2.2	9
93	<scp>LPA</scp>₅ receptor plays a role in pain sensitivity, emotional exploration and reversal learning. Genes, Brain and Behavior, 2012, 11, 1009-1019.	2.2	46
94	Stimulus generalization and return of fear in C57BL/6J mice. Frontiers in Behavioral Neuroscience, 2012, 6, 41.	2.0	10
95	TUDCA, a Bile Acid, Attenuates Amyloid Precursor Protein Processing and Amyloid-Î² Deposition in APP/PS1 Mice. Molecular Neurobiology, 2012, 45, 440-454.	4.0	146
96	Cognitive defects are reversible in inducible mice expressing pro-aggregant full-length human Tau. Acta Neuropathologica, 2012, 123, 787-805.	7.7	112
97	An Aberrant Cerebellar Development in Mice Lacking Matrix Metalloproteinase-3. Molecular Neurobiology, 2012, 45, 17-29.	4.0	28
98	Nocturnal hyperactivity, increased social novelty preference and delayed extinction of fear responses in post-weaning socially isolated mice. Brain Research Bulletin, 2011, 85, 354-362.	3.0	49
99	Telencephalic histopathology and changes in behavioural and neural plasticity in a murine model for metachromatic leukodystrophy. Behavioural Brain Research, 2011, 222, 309-314.	2.2	3
100	Vglut2 haploinsufficiency enhances behavioral sensitivity to MK-801 and amphetamine in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1316-1321.	4.8	10
101	Impaired appetitively as well as aversively motivated behaviors and learning in PDE10A-deficient mice suggest a role for striatal signaling in evaluative salience attribution. Neurobiology of Learning and Memory, 2011, 95, 260-269.	1.9	23
102	Hippocampal tauopathy in tau transgenic mice coincides with impaired hippocampus-dependent learning and memory, and attenuated late-phase long-term depression of synaptic transmission. Neurobiology of Learning and Memory, 2011, 95, 296-304.	1.9	93
103	Cerebellar Alterations and Gait Defects as Therapeutic Outcome Measures for Enzyme Replacement Therapy in Î±-Mannosidosis. Journal of Neuropathology and Experimental Neurology, 2011, 70, 83-94.	1.7	22
104	Reversibility of Tau-Related Cognitive Defects in a Regulatable FTD Mouse Model. Journal of Molecular Neuroscience, 2011, 45, 432-437.	2.3	42
105	Tau-Induced Defects in Synaptic Plasticity, Learning, and Memory Are Reversible in Transgenic Mice after Switching Off the Toxic Tau Mutant. Journal of Neuroscience, 2011, 31, 2511-2525.	3.6	252
106	Intracerebroventricular enzyme infusion corrects central nervous system pathology and dysfunction in a mouse model of metachromatic leukodystrophy. Human Molecular Genetics, 2011, 20, 2760-2769.	2.9	56
107	Notch3 Arg170Cys Knock-In Mice Display Pathologic and Clinical Features of the Neurovascular Disorder Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2881-2888.	2.4	35
108	From tau phosphorylation to tau aggregation: what about neuronal death?. Biochemical Society Transactions, 2010, 38, 967-972.	3.4	87

#	Article	IF	Citations
109	AP-1/Îƒ1B-adaptin mediates endosomal synaptic vesicle recycling, learning and memory. EMBO Journal, 2010, 29, 1318-1330.	7.8	104
110	Neurotoxicity of Alzheimer's disease AÎ² peptides is induced by small changes in the AÎ²42 to AÎ²40 ratio. EMBO Journal, 2010, 29, 3408-3420.	7.8	455
111	AP-1/Îƒ1B-adaptin mediates endosomal synaptic vesicle recycling, learning and memory. EMBO Journal, 2010, 29, 1941-1941.	7.8	1
112	Matrix-Binding Vascular Endothelial Growth Factor (VEGF) Isoforms Guide Granule Cell Migration in the Cerebellum via VEGF Receptor Flk1. Journal of Neuroscience, 2010, 30, 15052-15066.	3.6	75
113	Exploring the role of nociceptor-specific sodium channels in pain transmission using Nav1.8 and Nav1.9 knockout mice. Behavioural Brain Research, 2010, 208, 149-157.	2.2	90
114	Sex differences in human virtual water maze performance: Novel measures reveal the relative contribution of directional responding and spatial knowledge. Behavioural Brain Research, 2010, 208, 408-414.	2.2	85
115	Genetic modification of the inner ear lateral semicircular canal phenotype of the Bmp4 haplo-insufficient mouse. Biochemical and Biophysical Research Communications, 2010, 394, 780-785.	2.1	11
116	Î³-Secretase Heterogeneity in the Aph1 Subunit: Relevance for Alzheimerâ€™s Disease. Science, 2009, 324, 639-642.	12.6	233
117	Assessing valence indirectly and online. Cognition and Emotion, 2009, 23, 1615-1629.	2.0	10
118	Enzyme Replacement Improves Ataxic Gait and Central Nervous System Histopathology in a Mouse Model of Metachromatic Leukodystrophy. Molecular Therapy, 2009, 17, 600-606.	8.2	64
119	Molecular characterization and gene disruption of mouse lysosomal putative serine carboxypeptidaseâ€ƒ1. FEBS Journal, 2009, 276, 1356-1369.	4.7	18
120	Impairment of VGLUT2 but not VGLUT1 signaling reduces neuropathyâ€induced hypersensitivity. European Journal of Pain, 2009, 13, 1008-1017.	2.8	41
121	Vinblastine and doxorubicin administration to pregnant mice affects brain development and behaviour in the offspring. NeuroToxicology, 2009, 30, 647-657.	3.0	19
122	Hippocampal involvement in the acquisition of relational associations, but not in the expression of a transitive inference task in mice.. Behavioral Neuroscience, 2009, 123, 109-114.	1.2	32
123	Array-Based Gene Discovery with Three Unrelated Subjects Shows SCARB2/LIMP-2 Deficiency Causes Myoclonus Epilepsy and Glomerulosclerosis. American Journal of Human Genetics, 2008, 82, 673-684.	6.2	230
124	Lipids revert inert AÎ² amyloid fibrils to neurotoxic protofibrils that affect learning in mice. EMBO Journal, 2008, 27, 224-233.	7.8	303
125	Novel Role for Vascular Endothelial Growth Factor (VEGF) Receptor-1 and Its Ligand VEGF-B in Motor Neuron Degeneration. Journal of Neuroscience, 2008, 28, 10451-10459.	3.6	119
126	Deficits in acquisition and extinction of conditioned responses in mGluR7 knockout mice. Neurobiology of Learning and Memory, 2008, 90, 103-111.	1.9	63

#	Article	IF	Citations
127	Early signs of neurolipidosis-related behavioural alterations in a murine model of metachromatic leukodystrophy. Behavioural Brain Research, 2008, 189, 306-316.	2.2	21
128	Differences in nociceptive behavioral performance between C57BL/6J, 129S6/SvEv, B6 129 F1 and NMRI mice. Behavioural Brain Research, 2008, 190, 233-242.	2.2	27
129	Spred1Is Required for Synaptic Plasticity and Hippocampus-Dependent Learning. Journal of Neuroscience, 2008, 28, 14443-14449.	3.6	90
130	Absence of Functional Peroxisomes from Mouse CNS Causes Dysmyelination and Axon Degeneration. Journal of Neuroscience, 2008, 28, 4015-4027.	3.6	107
131	Reversal of peripheral and central neural storage and ataxia after recombinant enzyme replacement therapy in Î±-mannosidosis mice. Human Molecular Genetics, 2008, 17, 3437-3445.	2.9	60
132	Effect of genetic background on acoustic startle response in fragile X knockout mice. Genetical Research, 2008, 90, 341-345.	0.9	24
133	Learned defense response to hypoxia in newborn mice. Neuroscience Letters, 2007, 420, 268-272.	2.1	8
134	Induction of Tolerance to Human Arylsulfatase A in a Mouse Model of Metachromatic Leukodystrophy. Molecular Medicine, 2007, 13, 471-479.	4.4	18
135	Mitochondrial Rhomboid PARL Regulates Cytochrome c Release during Apoptosis via OPA1-Dependent Cristae Remodeling. Cell, 2006, 126, 163-175.	28.9	648
136	Differences in behavioural test battery performance between mice with hippocampal and cerebellar lesions. Behavioural Brain Research, 2006, 173, 138-147.	2.2	71
137	APP23 mice display working memory impairment in the plus-shaped water maze. Neuroscience Letters, 2006, 407, 6-10.	2.1	21
138	TBP as a candidate gene for mental retardation in patients with subtelomeric 6q deletions. European Journal of Human Genetics, 2006, 14, 1090-1096.	2.8	40
139	Expression profiling suggests underexpression of the GABAA receptor subunit Î´ in the fragile X knockout mouse model. Neurobiology of Disease, 2006, 21, 346-357.	4.4	151
140	Multivariate neurocognitive and emotional profile of a mannosidosis murine model for therapy assessment. Neurobiology of Disease, 2006, 23, 422-432.	4.4	11
141	Concomitant Deficits in Working Memory and Fear Extinction Are Functionally Dissociated from Reduced Anxiety in Metabotropic Glutamate Receptor 7-Deficient Mice. Journal of Neuroscience, 2006, 26, 6573-6582.	3.6	144
142	Vesicular Glutamate Transporter VGLUT2 Expression Levels Control Quantal Size and Neuropathic Pain. Journal of Neuroscience, 2006, 26, 12055-12066.	3.6	175
143	Neurocognitive and Psychotiform Behavioral Alterations and Enhanced Hippocampal Long-Term Potentiation in Transgenic Mice Displaying Neuropathological Features of Human Â-Mannosidosis. Journal of Neuroscience, 2005, 25, 6539-6549.	3.6	62
144	Phenotypic and Biochemical Analyses of BACE1- and BACE2-deficient Mice. Journal of Biological Chemistry, 2005, 280, 30797-30806.	3.4	309

#	Article	IF	Citations
145	GSA: behavioral, histological, electrophysiological and neurochemical effects. Physiology and Behavior, 2005, 84, 251-264.	2.1	16
146	Biochemical and behavioural phenotyping of a mouse model for GAMT deficiency. Journal of the Neurological Sciences, 2005, 231, 49-55.	0.6	33
147	Involvement of voltage- and ligand-gated Ca2+ channels in the neuroexcitatory and synergistic effects of putative uremic neurotoxins. Kidney International, 2003, 63, 1764-1775.	5.2	56
148	Ageâ€dependent cognitive decline in the APP23 model precedes amyloid deposition. European Journal of Neuroscience, 2003, 17, 388-396.	2.6	244
149	Simultaneous electroencephalographic recording and functional magnetic resonance imaging during pentylenetetrazol-induced seizures in rat. NeuroImage, 2003, 19, 627-636.	4.2	50
150	CALL interrupted in a patient with non-specific mental retardation: gene dosage-dependent alteration of murine brain development and behavior. Human Molecular Genetics, 2003, 12, 1463-1474.	2.9	119
151	LIMP-2/LGP85 deficiency causes ureteric pelvic junction obstruction, deafness and peripheral neuropathy in mice. Human Molecular Genetics, 2003, 12, 631-46.	2.9	49
152	Applications of the Morris water maze in the study of learning and memory. Brain Research Reviews, 2001, 36, 60-90.	9.0	1,647
153	Overexpression of Arginase Alters Circulating and Tissue Amino Acids and Guanidino Compounds and Affects Neuromotor Behavior in Mice. Journal of Nutrition, 2001, 131, 2732-2740.	2.9	35
154	Hyperactivity, neuromotor defects, and impaired learning and memory in a mouse model for metachromatic leukodystrophy. Brain Research, 2001, 907, 35-43.	2.2	41
155	Familial sinistrality in crossed aphasia: A new case and review of the available literature. Aphasiology, 2001, 15, 1143-1168.	2.2	1
156	Bone Marrow Stem Cell Gene Therapy of Arylsulfatase A-Deficient Mice, Using an Arylsulfatase A Mutant That Is Hypersecreted from Retrovirally Transduced Donor-Type Cells. Human Gene Therapy, 2001, 12, 1021-1033.	2.7	42
157	Spatial learning, contextual fear conditioning and conditioned emotional response in Fmr1 knockout mice. Behavioural Brain Research, 2000, 117, 127-136.	2.2	133
158	Effects of competitive NMDA receptor antagonists on excitatory amino acidâ€evoked currents in mouse spinal cord neurones. Fundamental and Clinical Pharmacology, 1999, 13, 67-74.	1.9	4
159	Decline in brainstem auditory-evoked potentials coincides with loss of spiral ganglion cells in arylsulfatase A-deficient mice. Brain Research, 1999, 847, 352-356.	2.2	31
160	Effects of oral administration of the competitive N-methyl-d-aspartate antagonist, CGP 40116, on passive avoidance, spatial learning, and neuromotor abilities in mice. Brain Research Bulletin, 1999, 48, 333-341.	3.0	19
161	Biochemical and histopathological changes in nephrectomized mice. Metabolism: Clinical and Experimental, 1998, 47, 355-361.	3.4	27
162	Ontogenetic differences in convulsive action and cerebral uptake of uremic guanidino compounds in juvenile mice. Neurochemistry International, 1994, 24, 215-220.	3.8	5

#	Article	IF	Citations
163	receptors contribute to guanidinosuccinate-induced convulsions in mice. Neuroscience Letters, 1993, 157, 123-126.	2.1	22
164	The uremic quanidino compound guanidinosuccinic acid induces behavioral convulsions and concomitant epileptiform electrocorticographic discharges in mice. Brain Research, 1992, 598, 316-320.	2.2	29
165	Chemical models of epilepsy with some reference to their applicability in the development of anticonvulsants. Epilepsy Research, 1992, 12, 87-110.	1.6	143
166	Guanidinosuccinic acid inhibits excitatory synaptic transmission in CA1 region of rat hippocampal slices. Annals of Neurology, 1991, 30, 622-623.	5.3	27