

# Rudi D'Hooge

## List of Publications by Year in descending order

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Version: 2024-02-01

166  
papers

10,614  
citations

38660

50  
h-index

35952

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. <i>Scientific Reports</i> , 2022, 12, 1663.	1.6	14
2	Aged <i>Tmem106b</i> knockout mice display gait deficits in coincidence with Purkinje cell loss and only limited signs of non-motor dysfunction. <i>Brain Pathology</i> , 2021, 31, 223-238.	2.1	15
3	Spectrum of social alterations in the Neurobeachin haploinsufficiency mouse model of autism. <i>Brain Research Bulletin</i> , 2021, 167, 11-21.	1.4	3
4	Comparison between touchscreen operant chambers and water maze to detect early prefrontal dysfunction in mice. <i>Genes, Brain and Behavior</i> , 2021, 20, e12695.	1.1	10
5	Methylene tetrahydrofolate reductase A1298C polymorphisms influence the adult sequelae of chemotherapy in childhood-leukemia survivors. <i>PLoS ONE</i> , 2021, 16, e0250228.	1.1	2
6	Effects of orbitofrontal cortex and ventral hippocampus disconnection on spatial reversal learning. <i>Neuroscience Letters</i> , 2021, 750, 135711.	1.0	4
7	OUP accepted manuscript. <i>Cerebral Cortex</i> , 2021, , .	1.6	1
8	Chronic Sodium Selenate Treatment Restores Deficits in Cognition and Synaptic Plasticity in a Murine Model of Tauopathy. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 570223.	1.4	10
9	The FTLD Risk Factor TMEM106B Regulates the Transport of Lysosomes at the Axon Initial Segment of Motoneurons. <i>Cell Reports</i> , 2020, 30, 3506-3519.e6.	2.9	47
10	Post-weaning infant-to-mother bonding in nutritionally independent female mice. <i>PLoS ONE</i> , 2020, 15, e0227034.	1.1	3
11	Folic Acid Fortification Prevents Morphological and Behavioral Consequences of X-Ray Exposure During Neurulation. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 609660.	1.0	5
12	The autism- and schizophrenia-associated protein CYFIP1 regulates bilateral brain connectivity and behaviour. <i>Nature Communications</i> , 2019, 10, 3454.	5.8	65
13	Differential effects of post-training scopolamine on spatial and non-spatial learning tasks in mice. <i>Brain Research Bulletin</i> , 2019, 152, 52-62.	1.4	3
14	Methotrexate Affects Cerebrospinal Fluid Folate and Tau Levels and Induces Late Cognitive Deficits in Mice. <i>Neuroscience</i> , 2019, 404, 62-70.	1.1	14
15	Noradrenergic and dopaminergic involvement in novelty modulation of aversive memory generalization of adult rats. <i>Behavioural Brain Research</i> , 2019, 371, 111991.	1.2	8
16	Impaired Reversal Learning in APPPS1-21 Mice in the Touchscreen Visual Discrimination Task. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 92.	1.0	17
17	NMDA receptor dependence of reversal learning and the flexible use of cognitively demanding search strategies in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 90, 235-244.	2.5	12
18	Acquisition of Spatial Search Strategies and Reversal Learning in the Morris Water Maze Depend on Disparate Brain Functional Connectivity in Mice. <i>Cerebral Cortex</i> , 2019, 29, 4519-4529.	1.6	16

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19	Novelty exposure hinders aversive memory generalization and depends on hippocampal protein synthesis. <i>Behavioural Brain Research</i> , 2019, 359, 89-94.	1.2	3
20	Subtle behavioral changes and increased prefrontal-hippocampal network synchronicity in APPNL <sup>+/G4</sup> F mice before prominent plaque deposition. <i>Behavioural Brain Research</i> , 2019, 364, 431-441.	1.2	63
21	Brain Connectivity and Cognitive Flexibility in Nonirradiated Adult Survivors of Childhood Leukemia. <i>Journal of the National Cancer Institute</i> , 2018, 110, 905-913.	3.0	25
22	Assessment of Social Transmission of Food Preferences Behaviors. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	0
23	Spatial reversal learning defect coincides with hypersynchronous telencephalic BOLD functional connectivity in APPNL-F/NL-F knock-in mice. <i>Scientific Reports</i> , 2018, 8, 6264.	1.6	41
24	Reversal of memory and neuropsychiatric symptoms and reduced tau pathology by selenium in 3xTg-AD mice. <i>Scientific Reports</i> , 2018, 8, 6431.	1.6	35
25	High fat diet treatment impairs hippocampal long-term potentiation without alterations of the core neuropathological features of Alzheimer disease. <i>Neurobiology of Disease</i> , 2018, 113, 82-96.	2.1	34
26	Testosterone boosts physical activity in male mice via dopaminergic pathways. <i>Scientific Reports</i> , 2018, 8, 957.	1.6	43
27	Pre-exposure and retrieval effects on generalization of contextual fear. <i>Learning and Motivation</i> , 2018, 63, 20-26.	0.6	3
28	Increased Insoluble Amyloid- $\beta^2$ Induces Negligible Cognitive Deficits in Old AppNL/NL Knock-In Mice. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 801-809.	1.2	8
29	PLD3 and spinocerebellar ataxia. <i>Brain</i> , 2018, 141, e78-e78.	3.7	11
30	Sensorimotor and Neurocognitive Dysfunctions Parallel Early Telencephalic Neuropathology in Fucosidosis Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 69.	1.0	4
31	Neuronal Dysfunction and Behavioral Abnormalities Are Evoked by Neural Cells and Aggravated by Inflammatory Microglia in Peroxisomal $\beta^2$ -Oxidation Deficiency. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 136.	1.8	13
32	A translational perspective on neural circuits of fear extinction: Current promises and challenges. <i>Neurobiology of Learning and Memory</i> , 2018, 155, 113-126.	1.0	38
33	Failures to replicate blocking are surprising and informativeâ€”Reply to Soto (2018).. <i>Journal of Experimental Psychology: General</i> , 2018, 147, 603-610.	1.5	7
34	Progressive leukoencephalopathy impairs neurobehavioral development in sialin-deficient mice. <i>Experimental Neurology</i> , 2017, 291, 106-119.	2.0	10
35	Long-term enzyme replacement therapy improves neurocognitive functioning and hippocampal synaptic plasticity in immune-tolerant alpha-mannosidosis mice. <i>Neurobiology of Disease</i> , 2017, 106, 255-268.	2.1	8
36	Neurocognitive Sequelae in Adult Childhood Leukemia Survivors Related to Levels of Phosphorylated Tau. <i>Journal of the National Cancer Institute</i> , 2017, 109, .	3.0	10

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37	Prevention and treatment strategies for contextual overgeneralization. <i>Scientific Reports</i> , 2017, 7, 16967.	1.6	3
38	Individual Difference Factors in the Learning and Transfer of Patterning Discriminations. <i>Frontiers in Psychology</i> , 2017, 8, 1262.	1.1	5
39	Tetraspanin 6: A novel regulator of hippocampal synaptic transmission and long term plasticity. <i>PLoS ONE</i> , 2017, 12, e0171968.	1.1	16
40	Comparison of the spatial-cognitive functions of dorsomedial striatum and anterior cingulate cortex in mice. <i>PLoS ONE</i> , 2017, 12, e0176295.	1.1	13
41	Unpredictable chronic mild stress differentially impairs social and contextual discrimination learning in two inbred mouse strains. <i>PLoS ONE</i> , 2017, 12, e0188537.	1.1	21
42	Persistent Impact of In utero Irradiation on Mouse Brain Structure and Function Characterized by MR Imaging and Behavioral Analysis. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 83.	1.0	26
43	Early pathologic amyloid induces hypersynchrony of BOLD resting-state networks in transgenic mice and provides an early therapeutic window before amyloid plaque deposition. <i>Alzheimer's and Dementia</i> , 2016, 12, 964-976.	0.4	76
44	The elusive nature of the blocking effect: 15 failures to replicate.. <i>Journal of Experimental Psychology: General</i> , 2016, 145, e49-e71.	1.5	49
45	A mouse model for fucosidosis recapitulates storage pathology and neurological features of the milder form of the human disease. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 1015-28.	1.2	11
46	Quinolinic acid injection in mouse medial prefrontal cortex affects reversal learning abilities, cortical connectivity and hippocampal synaptic plasticity. <i>Scientific Reports</i> , 2016, 6, 36489.	1.6	53
47	Inability to acquire spatial information and deploy spatial search strategies in mice with lesions in dorsomedial striatum. <i>Behavioural Brain Research</i> , 2016, 298, 134-141.	1.2	15
48	Chronic enzyme replacement therapy ameliorates neuropathology in alpha-mannosidosis mice. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 987-1001.	1.7	8
49	Virtual water maze learning in human increases functional connectivity between posterior hippocampus and dorsal caudate. <i>Human Brain Mapping</i> , 2015, 36, 1265-1277.	1.9	43
50	Nxf7 deficiency impairs social exploration and spatio-cognitive abilities as well as hippocampal synaptic plasticity in mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 179.	1.0	13
51	Anti-inflammatory Therapy With Simvastatin Improves Neuroinflammation and CNS Function in a Mouse Model of Metachromatic Leukodystrophy. <i>Molecular Therapy</i> , 2015, 23, 1160-1168.	3.7	39
52	Functional Dissociation of Group III Metabotropic Glutamate Receptors Revealed by Direct Comparison between the Behavioral Profiles of Knockout Mouse Lines. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv053.	1.0	24
53	Telencephalic neurocircuitry and synaptic plasticity in rodent spatial learning and memory. <i>Brain Research</i> , 2015, 1621, 294-308.	1.1	14
54	Emotional disorders in adult mice heterozygous for the transcription factor Phox2b. <i>Physiology and Behavior</i> , 2015, 141, 120-126.	1.0	9

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55	Dysregulated ADAM10-Mediated Processing of APP during a Critical Time Window Leads to Synaptic Deficits in Fragile X Syndrome. <i>Neuron</i> , 2015, 87, 382-398.	3.8	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. <i>Neurobiology of Aging</i> , 2015, 36, 1543-1558.	1.5	75
57	Feature- versus rule-based generalization in rats, pigeons and humans. <i>Animal Cognition</i> , 2015, 18, 1267-1284.	0.9	53
58	Loss of GPR3 reduces the amyloid plaque burden and improves memory in Alzheimer's disease mouse models. <i>Science Translational Medicine</i> , 2015, 7, 309ra164.	5.8	61
59	Brain endothelial TAK1 and NEMO safeguard the neurovascular unit. <i>Journal of Experimental Medicine</i> , 2015, 212, 1529-1549.	4.2	65
60	Rescue of impaired late-phase long-term depression in a tau transgenic mouse model. <i>Neurobiology of Aging</i> , 2015, 36, 730-739.	1.5	37
61	Amyloid- $\beta$ pathology is attenuated by tauroursodeoxycholic acid treatment in APP/PS1 mice after disease onset. <i>Neurobiology of Aging</i> , 2015, 36, 228-240.	1.5	86
62	Distinct and simultaneously active plasticity mechanisms in mouse hippocampus during different phases of Morris water maze training. <i>Brain Structure and Function</i> , 2015, 220, 1273-1290.	1.2	20
63	Improvement of biochemical and behavioral defects in the Niemann-Pick type A mouse by intraventricular infusion of MARCKS. <i>Neurobiology of Disease</i> , 2015, 73, 319-326.	2.1	6
64	Deficiency of the miR-29a/b-1 cluster leads to ataxic features and cerebellar alterations in mice. <i>Neurobiology of Disease</i> , 2015, 73, 275-288.	2.1	46
65	MMP-2 mediates Purkinje cell morphogenesis and spine development in the mouse cerebellum. <i>Brain Structure and Function</i> , 2015, 220, 1601-1617.	1.2	18
66	Genetic deletion of PDE10A selectively impairs incentive salience attribution and decreases medium spiny neuron excitability. <i>Behavioural Brain Research</i> , 2014, 268, 48-54.	1.2	16
67	More complex brains are not always better: rats outperform humans in implicit category-based generalization by implementing a similarity-based strategy. <i>Psychonomic Bulletin and Review</i> , 2014, 21, 1080-1086.	1.4	21
68	Improved Long-Term Memory via Enhancing cGMP-PKG Signaling Requires cAMP-PKA Signaling. <i>Neuropsychopharmacology</i> , 2014, 39, 2497-2505.	2.8	90
69	Cognition and hippocampal synaptic plasticity in mice with a homozygous tau deletion. <i>Neurobiology of Aging</i> , 2014, 35, 2474-2478.	1.5	116
70	SSP-002392, a new 5-HT <sub>4</sub> receptor agonist, dose-dependently reverses scopolamine-induced learning and memory impairments in C57Bl/6 mice. <i>Neuropharmacology</i> , 2014, 85, 178-189.	2.0	33
71	Postnatal Disruption of the Disintegrin/Metalloproteinase ADAM10 in Brain Causes Epileptic Seizures, Learning Deficits, Altered Spine Morphology, and Defective Synaptic Functions. <i>Journal of Neuroscience</i> , 2013, 33, 12915-12928.	1.7	107
72	Amyloid and Tau Neuropathology Differentially Affect Prefrontal Synaptic Plasticity and Cognitive Performance in Mouse Models of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 109-125.	1.2	32

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73	Behavioural alterations relevant to developmental brain disorders in mice with neonatally induced ventral hippocampal lesions. <i>Brain Research Bulletin</i> , 2013, 94, 71-81.	1.4	22
74	Progressive Age-Related Cognitive Decline in Tau Mice. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 777-788.	1.2	38
75	Tauroursodeoxycholic acid suppresses amyloid $\beta$ -induced synaptic toxicity in vitro and in APP/PS1 mice. <i>Neurobiology of Aging</i> , 2013, 34, 551-561.	1.5	44
76	AMIGO2 mRNA expression in hippocampal CA2 and CA3a. <i>Brain Structure and Function</i> , 2013, 218, 123-130.	1.2	39
77	Haploinsufficiency of VGLUT1 but not VGLUT2 impairs extinction of spatial preference and response suppression. <i>Behavioural Brain Research</i> , 2013, 245, 13-21.	1.2	13
78	Dose-dependent improvements in learning and memory deficits in APPPS1-21 transgenic mice treated with the orally active $A\beta$ toxicity inhibitor SEN1500. <i>Neuropharmacology</i> , 2013, 75, 458-466.	2.0	12
79	Increased gait variability in mice with small cerebellar cortex lesions and normal rotarod performance. <i>Behavioural Brain Research</i> , 2013, 241, 32-37.	1.2	41
80	Haploinsufficiency of the autism candidate gene Neurobeachin induces autism-like behaviors and affects cellular and molecular processes of synaptic plasticity in mice. <i>Neurobiology of Disease</i> , 2013, 51, 144-151.	2.1	54
81	Chronic 5-HT4 receptor activation decreases $A\beta$ production and deposition in hAPP/PS1 mice. <i>Neurobiology of Aging</i> , 2013, 34, 1779-1789.	1.5	44
82	Selective inhibition of phosphodiesterase 10A impairs appetitive and aversive conditioning and incentive salience attribution. <i>Neuropharmacology</i> , 2013, 75, 437-444.	2.0	10
83	Observations in THY-Tau22 mice that resemble behavioral and psychological signs and symptoms of dementia. <i>Behavioural Brain Research</i> , 2013, 242, 34-39.	1.2	20
84	Tauroursodeoxycholic acid (TUDCA) supplementation prevents cognitive impairment and amyloid deposition in APP/PS1 mice. <i>Neurobiology of Disease</i> , 2013, 50, 21-29.	2.1	93
85	Homologous involvement of striatum and prefrontal cortex in rodent and human water maze learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3131-3136.	3.3	76
86	Low hippocampal PI(4,5)P2 contributes to reduced cognition in old mice as a result of loss of MARCKS. <i>Nature Neuroscience</i> , 2013, 16, 449-455.	7.1	56
87	Chronic administration of AFQ056/Mavoglurant restores social behaviour in Fmr1 knockout mice. <i>Behavioural Brain Research</i> , 2013, 239, 72-79.	1.2	86
88	Comment on "ApoE-Directed Therapeutics Rapidly Clear $\beta$ -Amyloid and Reverse Deficits in AD Mouse Models". <i>Science</i> , 2013, 340, 924-924.	6.0	125
89	Generation and Characterization of an Nxf7 Knockout Mouse to Study NXF5 Deficiency in a Patient with Intellectual Disability. <i>PLoS ONE</i> , 2013, 8, e64144.	1.1	7
90	Efficacy of enzyme replacement therapy in an aggravated mouse model of metachromatic leukodystrophy declines with age. <i>Human Molecular Genetics</i> , 2012, 21, 2599-2609.	1.4	48

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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.	3.3	61
92	Olfactory classical conditioning in neonatal mouse pups using thermal stimuli. Behavioural Brain Research, 2012, 229, 250-256.	1.2	9
93	TRPA5 receptor plays a role in pain sensitivity, emotional exploration and reversal learning. Genes, Brain and Behavior, 2012, 11, 1009-1019.	1.1	46
94	Stimulus generalization and return of fear in C57BL/6J mice. Frontiers in Behavioral Neuroscience, 2012, 6, 41.	1.0	10
95	TUDCA, a Bile Acid, Attenuates Amyloid Precursor Protein Processing and Amyloid- $\beta$ Deposition in APP/PS1 Mice. Molecular Neurobiology, 2012, 45, 440-454.	1.9	146
96	Cognitive defects are reversible in inducible mice expressing pro-aggregant full-length human Tau. Acta Neuropathologica, 2012, 123, 787-805.	3.9	112
97	An Aberrant Cerebellar Development in Mice Lacking Matrix Metalloproteinase-3. Molecular Neurobiology, 2012, 45, 17-29.	1.9	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.	1.4	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.	1.2	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.	2.5	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.	1.0	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.	1.0	93
103	Cerebellar Alterations and Gait Defects as Therapeutic Outcome Measures for Enzyme Replacement Therapy in $\alpha$ -Mannosidosis. Journal of Neuropathology and Experimental Neurology, 2011, 70, 83-94.	0.9	22
104	Reversibility of Tau-Related Cognitive Defects in a Regulatable FTD Mouse Model. Journal of Molecular Neuroscience, 2011, 45, 432-437.	1.1	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.	1.7	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.	1.4	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.	1.1	35
108	From tau phosphorylation to tau aggregation: what about neuronal death?. Biochemical Society Transactions, 2010, 38, 967-972.	1.6	87

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109	AP-1/1B-adaptin mediates endosomal synaptic vesicle recycling, learning and memory. EMBO Journal, 2010, 29, 1318-1330.	3.5	104
110	Neurotoxicity of Alzheimer's disease A $\beta$ peptides is induced by small changes in the A $\beta$ 42 to A $\beta$ 40 ratio. EMBO Journal, 2010, 29, 3408-3420.	3.5	455
111	AP-1/1B-adaptin mediates endosomal synaptic vesicle recycling, learning and memory. EMBO Journal, 2010, 29, 1941-1941.	3.5	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.	1.7	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.	1.2	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.	1.2	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.	1.0	11
116	$\beta$ -Secretase Heterogeneity in the Aph1 Subunit: Relevance for Alzheimer's Disease. Science, 2009, 324, 639-642.	6.0	233
117	Assessing valence indirectly and online. Cognition and Emotion, 2009, 23, 1615-1629.	1.2	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.	3.7	64
119	Molecular characterization and gene disruption of mouse lysosomal putative serine carboxypeptidase $\epsilon$ 1. FEBS Journal, 2009, 276, 1356-1369.	2.2	18
120	Impairment of VGLUT2 but not VGLUT1 signaling reduces neuropathy-induced hypersensitivity. European Journal of Pain, 2009, 13, 1008-1017.	1.4	41
121	Vinblastine and doxorubicin administration to pregnant mice affects brain development and behaviour in the offspring. NeuroToxicology, 2009, 30, 647-657.	1.4	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.	0.6	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.	2.6	230
124	Lipids revert inert A $\beta$ amyloid fibrils to neurotoxic protofibrils that affect learning in mice. EMBO Journal, 2008, 27, 224-233.	3.5	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.	1.7	119
126	Deficits in acquisition and extinction of conditioned responses in mGluR7 knockout mice. Neurobiology of Learning and Memory, 2008, 90, 103-111.	1.0	63



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127	Early signs of neuropilidosis-related behavioural alterations in a murine model of metachromatic leukodystrophy. <i>Behavioural Brain Research</i> , 2008, 189, 306-316.	1.2	21
128	Differences in nociceptive behavioral performance between C57BL/6J, 129S6/SvEv, B6 129 F1 and NMRI mice. <i>Behavioural Brain Research</i> , 2008, 190, 233-242.	1.2	27
129	<i>Spred1</i> Is Required for Synaptic Plasticity and Hippocampus-Dependent Learning. <i>Journal of Neuroscience</i> , 2008, 28, 14443-14449.	1.7	90
130	Absence of Functional Peroxisomes from Mouse CNS Causes Dysmyelination and Axon Degeneration. <i>Journal of Neuroscience</i> , 2008, 28, 4015-4027.	1.7	107
131	Reversal of peripheral and central neural storage and ataxia after recombinant enzyme replacement therapy in $\alpha$ -mannosidosis mice. <i>Human Molecular Genetics</i> , 2008, 17, 3437-3445.	1.4	60
132	Effect of genetic background on acoustic startle response in fragile X knockout mice. <i>Genetical Research</i> , 2008, 90, 341-345.	0.3	24
133	Learned defense response to hypoxia in newborn mice. <i>Neuroscience Letters</i> , 2007, 420, 268-272.	1.0	8
134	Induction of Tolerance to Human Arylsulfatase A in a Mouse Model of Metachromatic Leukodystrophy. <i>Molecular Medicine</i> , 2007, 13, 471-479.	1.9	18
135	Mitochondrial Rhomboid PARL Regulates Cytochrome c Release during Apoptosis via OPA1-Dependent Cristae Remodeling. <i>Cell</i> , 2006, 126, 163-175.	13.5	648
136	Differences in behavioural test battery performance between mice with hippocampal and cerebellar lesions. <i>Behavioural Brain Research</i> , 2006, 173, 138-147.	1.2	71
137	APP23 mice display working memory impairment in the plus-shaped water maze. <i>Neuroscience Letters</i> , 2006, 407, 6-10.	1.0	21
138	TBP as a candidate gene for mental retardation in patients with subtelomeric 6q deletions. <i>European Journal of Human Genetics</i> , 2006, 14, 1090-1096.	1.4	40
139	Expression profiling suggests underexpression of the GABAA receptor subunit $\gamma$ in the fragile X knockout mouse model. <i>Neurobiology of Disease</i> , 2006, 21, 346-357.	2.1	151
140	Multivariate neurocognitive and emotional profile of a mannosidosis murine model for therapy assessment. <i>Neurobiology of Disease</i> , 2006, 23, 422-432.	2.1	11
141	Concomitant Deficits in Working Memory and Fear Extinction Are Functionally Dissociated from Reduced Anxiety in Metabotropic Glutamate Receptor 7-Deficient Mice. <i>Journal of Neuroscience</i> , 2006, 26, 6573-6582.	1.7	144
142	Vesicular Glutamate Transporter VGLUT2 Expression Levels Control Quantal Size and Neuropathic Pain. <i>Journal of Neuroscience</i> , 2006, 26, 12055-12066.	1.7	175
143	Neurocognitive and Psychotiform Behavioral Alterations and Enhanced Hippocampal Long-Term Potentiation in Transgenic Mice Displaying Neuropathological Features of Human $\alpha$ -Mannosidosis. <i>Journal of Neuroscience</i> , 2005, 25, 6539-6549.	1.7	62
144	Phenotypic and Biochemical Analyses of BACE1- and BACE2-deficient Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 30797-30806.	1.6	309

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145	GSA: behavioral, histological, electrophysiological and neurochemical effects. <i>Physiology and Behavior</i> , 2005, 84, 251-264.	1.0	16
146	Biochemical and behavioural phenotyping of a mouse model for GAMT deficiency. <i>Journal of the Neurological Sciences</i> , 2005, 231, 49-55.	0.3	33
147	Involvement of voltage- and ligand-gated Ca <sup>2+</sup> channels in the neuroexcitatory and synergistic effects of putative uremic neurotoxins. <i>Kidney International</i> , 2003, 63, 1764-1775.	2.6	56
148	Age-dependent cognitive decline in the APP23 model precedes amyloid deposition. <i>European Journal of Neuroscience</i> , 2003, 17, 388-396.	1.2	244
149	Simultaneous electroencephalographic recording and functional magnetic resonance imaging during pentylenetetrazol-induced seizures in rat. <i>NeuroImage</i> , 2003, 19, 627-636.	2.1	50
150	CALL interrupted in a patient with non-specific mental retardation: gene dosage-dependent alteration of murine brain development and behavior. <i>Human Molecular Genetics</i> , 2003, 12, 1463-1474.	1.4	119
151	LIMP-2/LGP85 deficiency causes ureteric pelvic junction obstruction, deafness and peripheral neuropathy in mice. <i>Human Molecular Genetics</i> , 2003, 12, 631-46.	1.4	49
152	Applications of the Morris water maze in the study of learning and memory. <i>Brain Research Reviews</i> , 2001, 36, 60-90.	9.1	1,647
153	Overexpression of Arginase Alters Circulating and Tissue Amino Acids and Guanidino Compounds and Affects Neuromotor Behavior in Mice. <i>Journal of Nutrition</i> , 2001, 131, 2732-2740.	1.3	35
154	Hyperactivity, neuromotor defects, and impaired learning and memory in a mouse model for metachromatic leukodystrophy. <i>Brain Research</i> , 2001, 907, 35-43.	1.1	41
155	Familial sinistrality in crossed aphasia: A new case and review of the available literature. <i>Aphasiology</i> , 2001, 15, 1143-1168.	1.4	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. <i>Human Gene Therapy</i> , 2001, 12, 1021-1033.	1.4	42
157	Spatial learning, contextual fear conditioning and conditioned emotional response in Fmr1 knockout mice. <i>Behavioural Brain Research</i> , 2000, 117, 127-136.	1.2	133
158	Effects of competitive NMDA receptor antagonists on excitatory amino acid-evoked currents in mouse spinal cord neurones. <i>Fundamental and Clinical Pharmacology</i> , 1999, 13, 67-74.	1.0	4
159	Decline in brainstem auditory-evoked potentials coincides with loss of spiral ganglion cells in arylsulfatase A-deficient mice. <i>Brain Research</i> , 1999, 847, 352-356.	1.1	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. <i>Brain Research Bulletin</i> , 1999, 48, 333-341.	1.4	19
161	Biochemical and histopathological changes in nephrectomized mice. <i>Metabolism: Clinical and Experimental</i> , 1998, 47, 355-361.	1.5	27
162	Ontogenetic differences in convulsive action and cerebral uptake of uremic guanidino compounds in juvenile mice. <i>Neurochemistry International</i> , 1994, 24, 215-220.	1.9	5

#	ARTICLE	IF	CITATIONS
163	receptors contribute to guanidinosuccinate-induced convulsions in mice. <i>Neuroscience Letters</i> , 1993, 157, 123-126.	1.0	22
164	The uremic guanidino compound guanidinosuccinic acid induces behavioral convulsions and concomitant epileptiform electrocorticographic discharges in mice. <i>Brain Research</i> , 1992, 598, 316-320.	1.1	29
165	Chemical models of epilepsy with some reference to their applicability in the development of anticonvulsants. <i>Epilepsy Research</i> , 1992, 12, 87-110.	0.8	143
166	Guanidinosuccinic acid inhibits excitatory synaptic transmission in CA1 region of rat hippocampal slices. <i>Annals of Neurology</i> , 1991, 30, 622-623.	2.8	27