Simon P Brooks

List of Publications by Year
in descending order

51 papers	2,461 citations	257101 24 h-index	214527 47 g-index
53 all docs	53 docs citations	53 times ranked	4416 citing authors

#	Article	IF	Citations
1	Tests to assess motor phenotype in mice: a user's guide. Nature Reviews Neuroscience, 2009, 10, 519-529.	4.9	513
2	Basal Mitophagy Occurs Independently of PINK1 in Mouse Tissues of High Metabolic Demand. Cell Metabolism, 2018, 27, 439-449.e5.	7.2	439
3	Behavioural profiles of inbred mouse strains used as transgenic backgrounds. II: cognitive tests. Genes, Brain and Behavior, 2005, 4, 307-317.	1.1	139
4	Phosphorylation of Parkin at serine 65 is essential for its activationin vivo. Open Biology, 2018, 8, 180108.	1.5	81
5	Behavioural profiles of inbred mouse strains used as transgenic backgrounds. I: motor tests. Genes, Brain and Behavior, 2004, 3, 206-215.	1.1	79
6	Exercise attenuates neuropathology and has greater benefit on cognitive than motor deficits in the R6/1 Huntington's disease mouse model. Experimental Neurology, 2013, 248, 457-469.	2.0	59
7	Brain gene expression correlates with changes in behavior in the R6/1 mouse model of Huntingtonâ€™s disease. Genes, Brain and Behavior, 2008, 7, 288-299.	1.1	58
8	The operant serial implicit learning task reveals early onset motor learning deficits in the HdhQ92knock-in mouse model of Huntington's disease. European Journal of Neuroscience, 2007, 25, 551-558.	1.2	56
9	Longitudinal analysis of the behavioural phenotype in R6/1 (C57BL/6J) Huntington's disease transgenic mice. Brain Research Bulletin, 2012, 88, 94-103.	1.4	53
10	Longitudinal analysis of the behavioural phenotype in YAC128 (C57BL/6J) Huntington's disease transgenic mice. Brain Research Bulletin, 2012, 88, 113-120.	1.4	50
11	Assessment of Motor Coordination and Balance in Mice Using the Rotarod, Elevated Bridge, and Footprint Tests. Current Protocols in Mouse Biology, 2012, 2, 37-53.	1.2	49
12	Selective extra-dimensional set shifting deficit in a knock-in mouse model of Huntington's disease. Brain Research Bulletin, 2006, 69, 452-457.	1.4	42
13	Selective cognitive impairment in the YAC128 Huntington's disease mouse. Brain Research Bulletin, 2012, 88, 121-129.	1.4	42
14	Light and electron microscopic characterization of the evolution of cellular pathology in the R6/1 Huntington's disease transgenic mice. Brain Research Bulletin, 2012, 88, 104-112.	1.4	42
15	Optimising Golgiâ€“Cox staining for use with perfusion-fixed brain tissue validated in the zQ175 mouse model of Huntington's disease. Journal of Neuroscience Methods, 2016, 265, 81-88.	1.3	39
16	Longitudinal analysis of the behavioural phenotype in HdhQ92 Huntington's disease knock-in mice. Brain Research Bulletin, 2012, 88, 148-155.	1.4	37
17	Time course of choice reaction time deficits in the HdhQ92 knock-in mouse model of Huntington's disease in the operant Serial Implicit Learning Task (SILT). Behavioural Brain Research, 2008, 189, 317-324.	1.2	36
18	Light and electron microscopic characterization of the evolution of cellular pathology in YAC128 Huntington's disease transgenic mice. Brain Research Bulletin, 2012, 88, 137-147.	1.4	36

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19	Comparative analysis of pathology and behavioural phenotypes in mouse models of Huntington's disease. Brain Research Bulletin, 2012, 88, 81-93.	1.4	34
20	Free operant and discrete trial performance of mice in the nine-hole box apparatus: validation using amphetamine and scopolamine. Psychopharmacology, 2004, 174, 396-405.	1.5	33
21	Rule learning, visuospatial function and motor performance in the HdhQ92 knock-in mouse model of Huntington's disease. Behavioural Brain Research, 2009, 203, 215-222.	1.2	33
22	Light and electron microscopic characterization of the evolution of cellular pathology in the Hdh(CAG)150 Huntington's disease knock-in mouse. Brain Research Bulletin, 2012, 88, 189-198.	1.4	31
23	Gene expression and behaviour in mouse models of HD. Brain Research Bulletin, 2012, 88, 276-284.	1.4	28
24	Light and electron microscopic characterization of the evolution of cellular pathology in HdhQ92 Huntington's disease knock-in mice. Brain Research Bulletin, 2012, 88, 171-181.	1.4	27
25	Profiles of motor and cognitive impairment in the transgenic rat model of Huntington's disease. Brain Research Bulletin, 2012, 88, 223-236.	1.4	25
26	Implicit learning in a serial choice visual discrimination task in the operant 9-hole box by intact and striatal lesioned mice. Behavioural Brain Research, 2005, 159, 313-322.	1.2	24
27	Proteomic changes in the brains of Huntington's disease mouse models reflect pathology and implicate mitochondrial changes. Brain Research Bulletin, 2012, 88, 210-222.	1.4	23
28	The utilisation of operant delayed matching and non-matching to position for probing cognitive flexibility and working memory in mouse models of Huntington's disease. Journal of Neuroscience Methods, 2016, 265, 72-80.	1.3	23
29	Longitudinal analyses of operant performance on the serial implicit learning task (SILT) in the YAC128 Huntington's disease mouse line. Brain Research Bulletin, 2012, 88, 130-136.	1.4	22
30	Age-Dependent Maintenance of Motor Controland Corticostriatal Innervation by Death Receptor 3. Journal of Neuroscience, 2010, 30, 3782-3792.	1.7	21
31	Mouse Models of Huntingtonâ€™s Disease. Current Topics in Behavioral Neurosciences, 2013, 22, 101-133.	0.8	21
32	CTIP2-Regulated Reduction in PKA-Dependent DARPP32 Phosphorylation in Human Medium Spiny Neurons: Implications for Huntington Disease. Stem Cell Reports, 2019, 13, 448-457.	2.3	21
33	Identification of Novel Alternative Splicing Events in the Huntingtin Gene and Assessment of the Functional Consequences Using Structural Protein Homology Modelling. Journal of Molecular Biology, 2014, 426, 1428-1438.	2.0	19
34	Longitudinal analysis of gene expression and behaviour in the HdhQ150 mouse model of Huntington's disease. Brain Research Bulletin, 2012, 88, 199-209.	1.4	18
35	Striatal lesions in the mouse disrupt acquisition and retention, but not implicit learning, in the SILT procedural motor learning task. Brain Research, 2007, 1185, 179-188.	1.1	17
36	Early onset deficits on the delayed alternation task in the HdhQ92 knock-in mouse model of Huntington's disease. Brain Research Bulletin, 2012, 88, 156-162.	1.4	17

#	Article	IF	Citations
37	Five choice serial reaction time performance in the HdhQ92 mouse model of Huntington's disease. Brain Research Bulletin, 2012, 88, 163-170.	1.4	17
38	Loss of CRMP2 O-GlcNAcylation leads to reduced novel object recognition performance in mice. Open Biology, 2019, 9, 190192.	1.5	17
39	Comparison of mHTT Antibodies in Huntingtonâ€™s Disease Mouse Models Reveal Specific Binding Profiles and Steady-State Ubiquitin Levels with Disease Development. PLoS ONE, 2016, 11, e0155834.	1.1	16
40	Motivational, proteostatic and transcriptional deficits precede synapse loss, gliosis and neurodegeneration in the B6.HttQ111/+ model of Huntingtonâ€™s disease. Scientific Reports, 2017, 7, 41570.	1.6	16
41	A Longitudinal Operant Assessment of Cognitive and Behavioural Changes in the HdhQ111 Mouse Model of Huntingtonâ€™s Disease. PLoS ONE, 2016, 11, e0164072.	1.1	14
42	A Longitudinal Motor Characterisation of the HdhQ111 Mouse Model of Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2016, 5, 149-161.	0.9	14
43	Cognitive training modifies disease symptoms in a mouse model of Huntington's disease. Experimental Neurology, 2016, 282, 19-26.	2.0	14
44	Bilateral striatal lesions disrupt performance in an operant delayed reinforcement task in rats. Brain Research Bulletin, 2012, 88, 251-260.	1.4	13
45	Motor Assessment in Huntingtonâ€™s Disease Mice. Methods in Molecular Biology, 2018, 1780, 121-141.	0.4	12
46	A novel extended sequence learning task (ESLeT) for rodents: Validation and the effects of amphetamine, scopolamine and striatal lesions. Brain Research Bulletin, 2012, 88, 237-250.	1.4	10
47	Cognitive deficits in animal models of basal ganglia disorders. Brain Research Bulletin, 2013, 92, 29-40.	1.4	10
48	Similar striatal gene expression profiles in the striatum of the YAC128 and HdhQ150 mouse models of Huntingtonâ€™s disease are not reflected in mutant Huntingtin inclusion prevalence. BMC Genomics, 2015, 16, 1079.	1.2	7
49	In Vivo MRI Evidence that Neuropathology is Attenuated by Cognitive Enrichment in the Yac128 Huntingtonâ€™s Disease Mouse Model. Journal of Huntington's Disease, 2015, 4, 149-160.	0.9	6
50	Huntingtin Subcellular Localisation Is Regulated by Kinase Signalling Activity in the StHdhQ111 Model of HD. PLoS ONE, 2015, 10, e0144864.	1.1	4
51	Lesions of the premotor and supplementary motor areas fail to prevent implicit learning in the operant serial implicit learning task. Brain Research, 2009, 1284, 116-124.	1.1	3