Anthony J Hannan

List of Publications by Year
in descending order

232	13,294	26567	28224
papers	citations	56 h-index	105 g-index

247	247	247	12808
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enriched environments, experience-dependent plasticity and disorders of the nervous system. Nature Reviews Neuroscience, 2006, 7, 697-709.	4.9	1,472
2	Delaying the onset of Huntington's in mice. Nature, 2000, 404, 721-722.	13.7	475
3	Environmental Enrichment Rescues Protein Deficits in a Mouse Model of Huntington's Disease, Indicating a Possible Disease Mechanism. Journal of Neuroscience, 2004, 24, 2270-2276.	1.7	342
4	Mutant huntingtin's effects on striatal gene expression in mice recapitulate changes observed in human Huntington's disease brain and do not differ with mutant huntingtin length or wild-type huntingtin dosage. Human Molecular Genetics, 2007, 16, 1845-1861.	1.4	304
5	Environmental enrichment slows disease progression in R6/2 Huntington's disease mice. Annals of Neurology, 2002, 51, 235-242.	2.8	303
6	Tandem repeats mediating genetic plasticity in health and disease. Nature Reviews Genetics, 2018, 19, 286-298.	7.7	300
7	The neurobiology of brain and cognitive reserve: Mental and physical activity as modulators of brain disorders. Progress in Neurobiology, 2009, 89, 369-382.	2.8	273
8	Effects of enriched environment on animal models of neurodegenerative diseases and psychiatric disorders. Neurobiology of Disease, 2008, 31, 159-168.	2.1	265
9	Differential effects of voluntary physical exercise on behavioral and brain-derived neurotrophic factor expression deficits in huntingtonâ€™s disease transgenic mice. Neuroscience, 2006, 141, 569-584.	1.1	245
10	PLC-Î²1, activated via mGluRs, mediates activity-dependent differentiation in cerebral cortex. Nature Neuroscience, 2001, 4, 282-288.	7.1	210
11	Exercise, diet and stress as modulators of gut microbiota: Implications for neurodegenerative diseases. Neurobiology of Disease, 2020, 134, 104621.	2.1	210
12	Review: Environmental enrichment and brain repair: harnessing the therapeutic effects of cognitive stimulation and physical activity to enhance experienceâ€dependent plasticity. Neuropathology and Applied Neurobiology, 2014, 40, 13-25.	1.8	197
13	Elevated paternal glucocorticoid exposure alters the small noncoding RNA profile in sperm and modifies anxiety and depressive phenotypes in the offspring. Translational Psychiatry, 2016, 6, e837-e837.	2.4	190
14	The Role of Epigenetic Change in Autism Spectrum Disorders. Frontiers in Neurology, 2015, 6, 107.	1.1	186
15	Geneâ€“environment interactions modulating cognitive function and molecular correlates of synaptic plasticity in Huntingtonâ€™s disease transgenic mice. Neurobiology of Disease, 2008, 29, 490-504.	2.1	176
16	Environmental enrichment ameliorates a motor coordination deficit in a mouse model of Rett syndrome â€“ Mecp2 gene dosage effects and BDNF expression. European Journal of Neuroscience, 2008, 27, 3342-3350.	1.2	174
17	Dendritic spine pathology and deficits in experience-dependent dendritic plasticity in R6/1 Huntington's disease transgenic mice. European Journal of Neuroscience, 2004, 19, 2799-2807.	1.2	172
18	Altered serotonin receptor expression is associated with depression-related behavior in the R6/1 transgenic mouse model of Huntington's disease. Human Molecular Genetics, 2009, 18, 753-766.	1.4	171

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19	Cognitive disorders and neurogenesis deficits in Huntington's disease mice are rescued by fluoxetine. European Journal of Neuroscience, 2005, 22, 2081-2088.	1.2	170
20	Neurogenesis in the R6/1 transgenic mouse model of Huntington's disease: effects of environmental enrichment. European Journal of Neuroscience, 2006, 23, 1829-1838.	1.2	151
21	Enhancement of cognitive function in models of brain disease through environmental enrichment and physical activity. Neuropharmacology, 2013, 64, 515-528.	2.0	145
22	Magnetic resonance imaging as an approach towards identifying neuropathological biomarkers for Huntington's disease. Brain Research Reviews, 2008, 58, 209-225.	9.1	144
23	Decreased hippocampal cell proliferation in R6/1 Huntingtonâ€™s mice. NeuroReport, 2004, 15, 811-813.	0.6	142
24	Wheel running and environmental enrichment differentially modify exonâ€specific BDNF expression in the hippocampus of wildâ€type and preâ€motor symptomatic male and female Huntington's disease mice. Hippocampus, 2010, 20, 621-636.	0.9	139
25	Tandem repeat polymorphisms: modulators of disease susceptibility and candidates for â€˜missing heritabilityâ€™. Trends in Genetics, 2010, 26, 59-65.	2.9	137
26	Exercise alters mouse sperm small noncoding RNAs and induces a transgenerational modification of male offspring conditioned fear and anxiety. Translational Psychiatry, 2017, 7, e1114-e1114.	2.4	134
27	Delayed onset of huntingtonâ€²s disease in mice in an enriched environment correlates with delayed loss of cannabinoid CB1 receptors. Neuroscience, 2004, 123, 207-212.	1.1	131
28	Clozapine reverses schizophrenia-related behaviours in the metabotropic glutamate receptor 5 knockout mouse: association with N-methyl-d-aspartic acid receptor up-regulation. International Journal of Neuropsychopharmacology, 2009, 12, 45.	1.0	125
29	Characterization of nodular neuronal heterotopia in children. Brain, 1999, 122, 219-238.	3.7	119
30	Simple sequence repeats: genetic modulators of brain function and behavior. Trends in Neurosciences, 2008, 31, 328-334.	4.2	118
31	Microbiome profiling reveals gut dysbiosis in a transgenic mouse model of Huntington's disease. Neurobiology of Disease, 2020, 135, 104268.	2.1	118
32	Phospholipase C-Î²1 knockout mice exhibit endophenotypes modeling schizophrenia which are rescued by environmental enrichment and clozapine administration. Molecular Psychiatry, 2008, 13, 661-672.	4.1	117
33	N-Acetylaspartate and DARPP-32 levels decrease in the corpus striatum of HuntingtonÊ¼s disease mice. NeuroReport, 2000, 11, 3751-3757.	0.6	106
34	N-Acetylcysteine improves mitochondrial function and ameliorates behavioral deficits in the R6/1 mouse model of Huntington's disease. Translational Psychiatry, 2015, 5, e492-e492.	2.4	105
35	Wheel running from a juvenile age delays onset of specific motor deficits but does not alter protein aggregate density in a mouse model of Huntington's disease. BMC Neuroscience, 2008, 9, 34.	0.8	104
36	Deficits in Experience-Dependent Cortical Plasticity and Sensory-Discrimination Learning in Presymptomatic Huntington's Disease Mice. Journal of Neuroscience, 2005, 25, 3059-3066.	1.7	103

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37	Gut dysbiosis in Huntingtonâ€™s disease: associations among gut microbiota, cognitive performance and clinical outcomes. Brain Communications, 2020, 2, fcaa110.	1.5	98
38	Altered CB1 receptor and endocannabinoid levels precede motor symptom onset in a transgenic mouse model of Huntington's disease. Neuroscience, 2009, 163, 456-465.	1.1	97
39	REGULATORS OF ADULT NEUROGENESIS IN THE HEALTHY AND DISEASED BRAIN. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 533-545.	0.9	93
40	Transgenerational epigenetic influences of paternal environmental exposures on brain function and predisposition to psychiatric disorders. Molecular Psychiatry, 2019, 24, 536-548.	4.1	89
41	Nature, nurture and neurology: gene-environment interactions in neurodegenerative disease. FEBS Journal, 2005, 272, 2347-2361.	2.2	87
42	Dynamic mutations as digital genetic modulators of brain development, function and dysfunction. BioEssays, 2007, 29, 525-535.	1.2	84
43	Sexâ€specific disruptions in spatial memory and anhedonia in a â€œtwo hitâ€•rat model correspond with alterations in hippocampal brainâ€derived neurotrophic factor expression and signaling. Hippocampus, 2014, 24, 1197-1211.	0.9	84
44	Environmental factors as modulators of neurodegeneration: Insights from geneâ€“environment interactions in Huntington's disease. Neuroscience and Biobehavioral Reviews, 2015, 52, 178-192.	2.9	84
45	Dysregulation of synaptic proteins, dendritic spine abnormalities and pathological plasticity of synapses as experience-dependent mediators of cognitive and psychiatric symptoms in Huntingtonâ€™s disease. Neuroscience, 2013, 251, 66-74.	1.1	77
46	Toxoplasmosis: A pathway to neuropsychiatric disorders. Neuroscience and Biobehavioral Reviews, 2019, 96, 72-92.	2.9	72
47	Activity-dependent Regulation of Synapse and Dendritic Spine Morphology in Developing Barrel Cortex Requires Phospholipase C-Â1 Signalling. Cerebral Cortex, 2005, 15, 385-393.	1.6	71
48	Sexually Dimorphic Serotonergic Dysfunction in a Mouse Model of Huntington's Disease and Depression. PLoS ONE, 2011, 6, e22133.	1.1	71
49	A neuroligin-3 mutation implicated in autism causes abnormal aggression and increases repetitive behavior in mice. Molecular Autism, 2015, 6, 62.	2.6	66
50	Behavioural and molecular consequences of chronic cannabinoid treatment in Huntington's disease transgenic mice. Neuroscience, 2010, 170, 324-336.	1.1	65
51	Intracellular Localization of Tropomyosin mRNA and Protein Is Associated with Development of Neuronal Polarity. Molecular and Cellular Neurosciences, 1995, 6, 397-412.	1.0	63
52	Treatment of depressiveâ€like behaviour in Huntington's disease mice by chronic sertraline and exercise. British Journal of Pharmacology, 2012, 165, 1375-1389.	2.7	63
53	Olfactory abnormalities in Huntingtonâ€™s disease: Decreased plasticity in the primary olfactory cortex of R6/1 transgenic mice and reduced olfactory discrimination in patients. Brain Research, 2007, 1151, 219-226.	1.1	62
54	Depressionâ€related behaviours displayed by female <scp>C</scp>57<scp>BL</scp>/6<scp>J</scp> mice during abstinence from chronic ethanol consumption are rescued by wheelâ€running. European Journal of Neuroscience, 2013, 37, 1803-1810.	1.2	62

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55	Long-term behavioral and NMDA receptor effects of young-adult corticosterone treatment in BDNF heterozygous mice. Neurobiology of Disease, 2012, 46, 722-731.	2.1	61
56	Noninvasive Strategies to Optimise Brain Plasticity: From Basic Research to Clinical Perspectives. Neural Plasticity, 2013, 2013, 1-2.	1.0	60
57	Structural Compartments within Neurons: Developmentally Regulated Organization of Microfilament Isoform mRNA and Protein. Molecular and Cellular Neurosciences, 1998, 11, 289-304.	1.0	58
58	Enviromimetics: exploring gene environment interactions to identify therapeutic targets for brain disorders. Expert Opinion on Therapeutic Targets, 2007, 11, 899-913.	1.5	58
59	Environmental Enrichment Ameliorates Behavioral Impairments Modeling Schizophrenia in Mice Lacking Metabotropic Glutamate Receptor 5. Neuropsychopharmacology, 2015, 40, 1947-1956.	2.8	58
60	Decanalization, brain development and risk of schizophrenia. Translational Psychiatry, 2011, 1, e14-e14.	2.4	57
61	Anterior cingulate cortical transplantation in transgenic Huntingtonâ€™s disease mice. Brain Research Bulletin, 2001, 56, 313-318.	1.4	56
62	PLCâ€Î²1 knockout mice as a model of disrupted cortical development and plasticity: Behavioral endophenotypes and dysregulation of RGS4 gene expression. Hippocampus, 2008, 18, 824-834.	0.9	55
63	Environmental enrichment rescues female-specific hyperactivity of the hypothalamic-pituitary-adrenal axis in a model of Huntington's disease. Translational Psychiatry, 2012, 2, e133-e133.	2.4	55
64	Exercise mimetics: harnessing the therapeutic effects of physical activity. Nature Reviews Drug Discovery, 2021, 20, 862-879.	21.5	55
65	Geneâ€“environment interactions and construct validity in preclinical models of psychiatric disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1376-1382.	2.5	54
66	Environmental enrichment enhances cognitive flexibility in C57BL/6 mice on a touchscreen reversal learning task. Neuropharmacology, 2017, 117, 219-226.	2.0	53
67	Mechanisms mediating brain and cognitive reserve: Experience-dependent neuroprotection and functional compensation in animal models of neurodegenerative diseases. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 331-339.	2.5	52
68	Synaptopathic mechanisms of neurodegeneration and dementia: Insights from Huntingtonâ€™s disease. Progress in Neurobiology, 2017, 153, 18-45.	2.8	52
69	Search strategy selection in the Morris water maze indicates allocentric map formation during learning that underpins spatial memory formation. Neurobiology of Learning and Memory, 2017, 139, 37-49.	1.0	52
70	Gene-environment interactions informing therapeutic approaches to cognitive and affective disorders. Neuropharmacology, 2019, 145, 37-48.	2.0	52
71	An integrated metagenomics and metabolomics approach implicates the microbiota-gut-brain axis in the pathogenesis of Huntington's disease. Neurobiology of Disease, 2021, 148, 105199.	2.1	52
72	Phospholipase C-Î²1 expression correlates with neuronal differentiation and synaptic plasticity in rat somatosensory cortex. Neuropharmacology, 1998, 37, 593-605.	2.0	51

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73	Genetic and environmental factors in the pathogenesis of Huntingtonâ€™s disease. Neurogenetics, 2004, 5, 9-17.	0.7	51
74	GENEâ€“ENVIRONMENT INTERACTIONS, NEURONAL DYSFUNCTION AND PATHOLOGICAL PLASTICITY IN HUNTINGTON'S DISEASE. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 1007-1019.	0.9	50
75	Sexâ€specific behavioural effects of environmental enrichment in a transgenic mouse model of amyotrophic lateral sclerosis. European Journal of Neuroscience, 2008, 28, 717-723.	1.2	49
76	Hippocampal Neurogenesis, Cognitive Deficits and Affective Disorder in Huntington's Disease. Neural Plasticity, 2012, 2012, 1-7.	1.0	48
77	Neurocardiac dysregulation and neurogenic arrhythmias in a transgenic mouse model of Huntington's disease. Journal of Physiology, 2012, 590, 5845-5860.	1.3	47
78	Increased adult hippocampal neurogenesis and abnormal migration of adultâ€born granule neurons is associated with hippocampalâ€specific cognitive deficits in phospholipase Câ€β1 knockout mice. Hippocampus, 2012, 22, 309-319.	0.9	45
79	Paternal environmental enrichment transgenerationally alters affective behavioral and neuroendocrine phenotypes. Psychoneuroendocrinology, 2017, 77, 225-235.	1.3	45
80	Transgenerational paternal transmission of acquired traits: stress-induced modification of the sperm regulatory transcriptome and offspring phenotypes. Current Opinion in Behavioral Sciences, 2017, 14, 140-147.	2.0	44
81	Pathogenic Infection in Male Mice Changes Sperm Small RNA Profiles and Transgenerationally Alters Offspring Behavior. Cell Reports, 2020, 31, 107573.	2.9	44
82	Modeling Brain Reserve: Experience-Dependent Neuronal Plasticity in Healthy and Huntington's Disease Transgenic Mice. American Journal of Geriatric Psychiatry, 2009, 17, 196-209.	0.6	43
83	Decreased expression of mGluR5 within the dorsolateral prefrontal cortex in autism and increased microglial number in mGluR5 knockout mice: Pathophysiological and neurobehavioral implications. Brain, Behavior, and Immunity, 2015, 49, 197-205.	2.0	43
84	Dissociating the therapeutic effects of environmental enrichment and exercise in a mouse model of anxiety with cognitive impairment. Translational Psychiatry, 2016, 6, e794-e794.	2.4	43
85	Epigenetic modifications in trinucleotide repeat diseases. Trends in Molecular Medicine, 2013, 19, 655-663.	3.5	42
86	Localized changes to glycogen synthase kinase-3 and collapsin response mediator protein-2 in the Huntington's disease affected brain. Human Molecular Genetics, 2014, 23, 4051-4063.	1.4	41
87	Mutation of Gtf2ird1 from the Williamsâ€“Beuren syndrome critical region results in facial dysplasia, motor dysfunction, and altered vocalisations. Neurobiology of Disease, 2012, 45, 913-922.	2.1	40
88	Cortisol and depression in pre-diagnosed and early stage Huntington's disease. Psychoneuroendocrinology, 2013, 38, 2439-2447.	1.3	40
89	Differential effects of early environmental enrichment on emotionality related behaviours in Huntington's disease transgenic mice. Journal of Physiology, 2013, 591, 41-55.	1.3	40
90	Environmental enrichment as an experience-dependent modulator of social plasticity and cognition. Brain Research, 2019, 1717, 1-14.	1.1	39

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91	Identifying novel interventional strategies for psychiatric disorders: integrating genomics, â€˜enviromicsâ€™ and geneâ€“environment interactions in valid preclinical models. British Journal of Pharmacology, 2014, 171, 4719-4728.	2.7	38
92	Diet-Induced Modification of the Sperm Epigenome Programs Metabolism and Behavior. Trends in Endocrinology and Metabolism, 2020, 31, 131-149.	3.1	38
93	Retinal dysfunction, photoreceptor protein dysregulation and neuronal remodelling in the R6/1 mouse model of Huntington's disease. Neurobiology of Disease, 2012, 45, 887-896.	2.1	37
94	Impaired learning-dependent cortical plasticity in Huntington's disease transgenic mice. Neurobiology of Disease, 2004, 17, 427-434.	2.1	36
95	Effects of chronic stress on the onset and progression of Huntington's disease in transgenic mice. Neurobiology of Disease, 2014, 71, 81-94.	2.1	36
96	Long-term effects of combined neonatal and adolescent stress on brain-derived neurotrophic factor and dopamine receptor expression in the rat forebrain. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2126-2135.	1.8	35
97	â€˜Super-Enrichmentâ€™ Reveals Dose-Dependent Therapeutic Effects of Environmental Stimulation in a Transgenic Mouse Model of Huntington's Disease. Journal of Huntington's Disease, 2014, 3, 299-309.	0.9	35
98	Neurological, neuropsychiatric and neurodevelopmental complications of COVID-19. Australian and New Zealand Journal of Psychiatry, 2021, 55, 750-762.	1.3	35
99	TRPing up the genome: Tandem repeat polymorphisms as dynamic sources of genetic variability in health and disease. Discovery Medicine, 2010, 10, 314-21.	0.5	35
100	N-acetylcysteine modulates glutamatergic dysfunction and depressive behavior in Huntingtonâ€™s disease. Human Molecular Genetics, 2016, 25, ddw144.	1.4	34
101	Cognitive endophenotypes, geneâ€“environment interactions and experience-dependent plasticity in animal models of schizophrenia. Biological Psychology, 2016, 116, 82-89.	1.1	34
102	Expression of doublecortin correlates with neuronal migration and pattern formation in diverse regions of the developing chick brain. Journal of Neuroscience Research, 1999, 55, 650-657.	1.3	33
103	Environmental Enrichment Reduces Neuronal Intranuclear Inclusion Load But Has No Effect on Messenger RNA Expression in a Mouse Model of Huntington Disease. Journal of Neuropathology and Experimental Neurology, 2010, 69, 817-827.	0.9	33
104	Touchscreen testing reveals clinically relevant cognitive abnormalities in a mouse model of schizophrenia lacking metabotropic glutamate receptor 5. Scientific Reports, 2018, 8, 16412.	1.6	33
105	Translational Assays for Assessment of Cognition in Rodent Models of Alzheimerâ€™s Disease and Dementia. Journal of Molecular Neuroscience, 2016, 60, 371-382.	1.1	32
106	What's wrong with my mouse cage? Methodological considerations for modeling lifestyle factors and geneâ€“environment interactions in mice. Journal of Neuroscience Methods, 2016, 265, 99-108.	1.3	32
107	Investigating the relationships between hypothalamic volume and measures of circadian rhythm and habitual sleep in premanifest Huntington's disease. Neurobiology of Sleep and Circadian Rhythms, 2019, 6, 1-8.	1.4	32
108	Positive environmental modification of depressive phenotype and abnormal hypothalamic-pituitary-adrenal axis activity in female C57BL/6J mice during abstinence from chronic ethanol consumption. Frontiers in Pharmacology, 2013, 4, 93.	1.6	31

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109	Environmental enrichment reduces innate anxiety with no effect on depression-like behaviour in mice lacking the serotonin transporter. Behavioural Brain Research, 2017, 332, 355-361.	1.2	31
110	Deficits in Spermatogenesis but not Neurogenesis are Alleviated by Chronic Testosterone Therapy in R6/1 Huntingtonâ€™s Disease Mice. Journal of Neuroendocrinology, 2012, 24, 341-356.	1.2	30
111	Phospholipase C Beta 1 Expression in the Dorsolateral Prefrontal Cortex from Patients with Schizophrenia at Different Stages of Illness. Australian and New Zealand Journal of Psychiatry, 2011, 45, 140-147.	1.3	29
112	The influence of the HPG axis on stress response and depressive-like behaviour in a transgenic mouse model of Huntington's disease. Experimental Neurology, 2015, 263, 63-71.	2.0	29
113	Why Woody got the blues: The neurobiology of depression in Huntington's disease. Neurobiology of Disease, 2020, 142, 104958.	2.1	29
114	Impaired basal and running-induced hippocampal neurogenesis coincides with reduced Akt signaling in adult R6/1 HD mice. Molecular and Cellular Neurosciences, 2013, 54, 93-107.	1.0	28
115	A Tale of Two Maladies? Pathogenesis of Depression with and without the Huntingtonâ€™s Disease Gene Mutation. Frontiers in Neurology, 2013, 4, 81.	1.1	28
116	Impaired social behaviour and molecular mediators of associated neural circuits during chronic Toxoplasma gondii infection in female mice. Brain, Behavior, and Immunity, 2019, 80, 88-108.	2.0	28
117	International data governance for neuroscience. Neuron, 2022, 110, 600-612.	3.8	28
118	High stress hormone levels accelerate the onset of memory deficits in male Huntington's disease mice. Neurobiology of Disease, 2014, 69, 248-262.	2.1	27
119	Differential induction and intracellular localization of SCG10 messenger RNA is associated with neuronal differentiation. Neuroscience, 1996, 72, 889-900.	1.1	26
120	Molecular mechanisms mediating pathological plasticity in Huntington's disease and Alzheimer's disease. Journal of Neurochemistry, 2007, 100, 874-882.	2.1	26
121	Elevated paternal glucocorticoid exposure modifies memory retention in female offspring. Psychoneuroendocrinology, 2017, 83, 9-18.	1.3	26
122	The effects of short-term and long-term environmental enrichment on locomotion, mood-like behavior, cognition and hippocampal gene expression. Behavioural Brain Research, 2019, 368, 111917.	1.2	26
123	Effect of enhanced voluntary physical exercise on brain levels of monoamines in Huntington disease mice. PLOS Currents, 2011, 3, RRN1281.	1.4	26
124	Novel therapeutic targets for Huntingtonâ€™s disease. Expert Opinion on Therapeutic Targets, 2005, 9, 639-650.	1.5	25
125	Effects of environmental manipulations in genetically targeted animal models of affective disorders. Neurobiology of Disease, 2013, 57, 12-27.	2.1	25
126	Short-term memory acquisition in female Huntington's disease mice is vulnerable to acute stress. Behavioural Brain Research, 2013, 253, 318-322.	1.2	25

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127	Vascular Endothelial Growth Factor and Brain-Derived Neurotrophic Factor in Quetiapine Treated First-Episode Psychosis. Schizophrenia Research and Treatment, 2014, 2014, 1-10.	0.7	23
128	Transcriptional profiles for distinct aggregation states of mutant Huntingtin exon 1 protein unmask new Huntington's disease pathways. Molecular and Cellular Neurosciences, 2017, 83, 103-112.	1.0	23
129	Therapeutic Effects of Anthocyanins and Environmental Enrichment in R6/1 Huntingtonâ€™s Disease Mice. Journal of Huntington's Disease, 2016, 5, 285-296.	0.9	22
130	Affective dysfunction in a mouse model of <scp>R</scp>ett syndrome: Therapeutic effects of environmental stimulation and physical activity. Developmental Neurobiology, 2016, 76, 209-224.	1.5	22
131	Neuroendocrine and neurotrophic signaling in Huntingtonâ€™s disease: Implications for pathogenic mechanisms and treatment strategies. Neuroscience and Biobehavioral Reviews, 2016, 71, 444-454.	2.9	21
132	Editorial: Environmental Enrichment: Enhancing Neural Plasticity, Resilience, and Repair. Frontiers in Behavioral Neuroscience, 2019, 13, 75.	1.0	21
133	Of â€˜junk foodâ€™ and â€˜brain foodâ€™: how parental diet influences offspring neurobiology and behaviour. Trends in Endocrinology and Metabolism, 2021, 32, 566-578.	3.1	21
134	Development of Thalamocortical Projections in Normal and Mutant Mice. Results and Problems in Cell Differentiation, 2000, 30, 293-332.	0.2	21
135	Beyond loss of frataxin: the complex molecular pathology of Friedreich ataxia. Discovery Medicine, 2014, 17, 25-35.	0.5	21
136	Isoform specific differences in phospholipase C beta 1 expression in the prefrontal cortex in schizophrenia and suicide. NPJ Schizophrenia, 2017, 3, 19.	2.0	20
137	Transgenic Mouse Models as Tools for Understanding How Increased Cognitive and Physical Stimulation Can Improve Cognition in Alzheimerâ€™s Disease. Brain Plasticity, 2018, 4, 127-150.	1.9	20
138	Towards Environmental Construct Validity in Animal Models of CNS Disorders: Optimizing Translation of Preclinical Studies. CNS and Neurological Disorders - Drug Targets, 2013, 12, 587-592.	0.8	20
139	Gene-environment-gut interactions in Huntington's disease mice are associated with environmental modulation of the gut microbiome. IScience, 2022, 25, 103687.	1.9	20
140	The relationship between cortisol and verbal memory in the early stages of Huntingtonâ€™s disease. Journal of Neurology, 2013, 260, 891-902.	1.8	19
141	Brain Cholesterol Synthesis and Metabolism is Progressively Disturbed in the R6/1 Mouse Model of Huntingtonâ€™s Disease: A Targeted GC-MS/MS Sterol Analysis. Journal of Huntington's Disease, 2015, 4, 305-318.	0.9	19
142	Repeat DNA expands our understanding of autism spectrum disorder. Nature, 2021, 589, 200-202.	13.7	19
143	Molecular mediators, environmental modulators and experience-dependent synaptic dysfunction in Huntington's disease.. Acta Biochimica Polonica, 2019, 51, 415-430.	0.3	19
144	Dissecting Cause and Effect in the Pathogenesis of Psychiatric Disorders: Genes, Environment and Behaviour. Current Molecular Medicine, 2007, 7, 470-478.	0.6	18

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145	Reduced susceptibility to induced seizures in the Neuroligin-3R451C mouse model of autism. Neuroscience Letters, 2015, 589, 57-61.	1.0	18
146	Mutations in neuroligin-3 in male mice impact behavioral flexibility but not relational memory in a touchscreen test of visual transitive inference. Molecular Autism, 2019, 10, 42.	2.6	18
147	Novel approaches to alcohol rehabilitation: Modification of stress-responsive brain regions through environmental enrichment. Neuropharmacology, 2019, 145, 25-36.	2.0	18
148	Effects of aging on the motor, cognitive and affective behaviors, neuroimmune responses and hippocampal gene expression. Behavioural Brain Research, 2020, 383, 112501.	1.2	18
149	Evaluation of attention in APP/PS1 mice shows impulsive and compulsive behaviours. Genes, Brain and Behavior, 2021, 20, e12594.	1.1	18
150	Short-term environmental enrichment, and not physical exercise, alleviate cognitive decline and anxiety from middle age onwards without affecting hippocampal gene expression. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 1143-1169.	1.0	17
151	Antidepressant-like effects of ketamine in a mouse model of serotonergic dysfunction. Neuropharmacology, 2020, 168, 107998.	2.0	17
152	Decanalization mediating gene-environment interactions in schizophrenia and other psychiatric disorders with neurodevelopmental etiology. Frontiers in Behavioral Neuroscience, 2013, 7, 157.	1.0	16
153	Microbiome Profiling Reveals Gut Dysbiosis in the Metabotropic Glutamate Receptor 5 Knockout Mouse Model of Schizophrenia. Frontiers in Cell and Developmental Biology, 2020, 8, 582320.	1.8	16
154	Antidepressant-Like Effect of the Norepinephrine-Dopamine Reuptake Inhibitor Bupropion in a Mouse Model of Huntington's Disease with Dopaminergic Dysfunction. Journal of Huntington's Disease, 2012, 1, 261-266.	0.9	16
155	Tandem Repeat Polymorphisms. Advances in Experimental Medicine and Biology, 2012, , 1-9.	0.8	15
156	Brain Zinc Deficiency Exacerbates Cognitive Decline in the R6/1 Model of Huntington's Disease. Neurotherapeutics, 2020, 17, 243-251.	2.1	15
157	Behavioural state differentially engages septohippocampal cholinergic and GABAergic neurons in R6/1 Huntingtonâ€™s disease mice. Neurobiology of Learning and Memory, 2012, 97, 261-270.	1.0	14
158	Social Isolation Alters Social and Mating Behavior in the R451C Neuroligin Mouse Model of Autism. Neural Plasticity, 2017, 2017, 1-9.	1.0	14
159	Sensitivity to MK-801 in phospholipase C-Î²1 knockout mice reveals a specific NMDA receptor deficit. International Journal of Neuropsychopharmacology, 2009, 12, 917.	1.0	13
160	Sex-Dependent Effects of Environmental Enrichment on Spatial Memory and Brain-Derived Neurotrophic Factor (BDNF) Signaling in a Developmental â€œTwo-Hitâ€•Mouse Model Combining BDNF Haploinsufficiency and Chronic Glucocorticoid Stimulation. Frontiers in Behavioral Neuroscience, 2018, 12, 227.	1.0	13
161	Parental mental health before and during pregnancy and offspring birth outcomes: A 20-year preconception cohort of maternal and paternal exposure. EClinicalMedicine, 2020, 27, 100564.	3.2	13
162	Tissue-type plasminogen activator is an extracellular mediator of Purkinje cell damage and altered gait. Experimental Neurology, 2013, 249, 8-19.	2.0	12

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163	Tandem Repeats and Repeatomes: Delving Deeper into the â€˜Dark Matterâ€™ of Genomes. EBioMedicine, 2018, 31, 3-4.	2.7	12
164	Synaptopathy, circuitopathy and the computational biology of Huntingtonâ€™s disease. BMC Biology, 2018, 16, 71.	1.7	12
165	Environmental enrichment modulates affiliative and aggressive social behaviour in the neuroligin-3 R451C mouse model of autism spectrum disorder. Pharmacology Biochemistry and Behavior, 2020, 195, 172955.	1.3	12
166	The Latent Stem Cell Population Is Retained in the Hippocampus of Transgenic Huntington's Disease Mice but Not Wild-Type Mice. PLoS ONE, 2011, 6, e18153.	1.1	12
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