Daniel L A Van Den Hove

List of Publications by Year
in descending order

112 papers	6,266 citations	66250 44 h-index	87275 74 g-index
112 all docs	112 docs citations	112 times ranked	9249 citing authors

#	Article	IF	Citations
1	Earlyâ€life exposure to selective serotonin reuptake inhibitors: Longâ€term effects on pain and affective comorbidities. European Journal of Neuroscience, 2022, 55, 295-317.	1.2	4
2	Increased isoform-specific phosphodiesterase 4D expression is associated with pathology and cognitive impairment in Alzheimerâ€™s disease. Neurobiology of Aging, 2021, 97, 56-64.	1.5	15
3	PDE inhibition in distinct cell types to reclaim the balance of synaptic plasticity. Theranostics, 2021, 11, 2080-2097.	4.6	13
4	Epigenetics in Drug Discovery: Achievements and Challenges. , 2021, , 57-75.		1
5	CERTL reduces C16 ceramide, amyloid-Î² levels, and inflammation in a model of Alzheimerâ€™s disease. Alzheimer's Research and Therapy, 2021, 13, 45.	3.0	16
6	Generation of induced pluripotent stem cell (iPSC) lines carrying a heterozygous (UKWMPi002-A-1) and null mutant knockout (UKWMPi002-A-2) of Cadherin 13 associated with neurodevelopmental disorders using CRISPR/Cas9. Stem Cell Research, 2021, 51, 102169.	0.3	3
7	A meta-analysis of epigenome-wide association studies in Alzheimerâ€™s disease highlights novel differentially methylated loci across cortex. Nature Communications, 2021, 12, 3517.	5.8	72
8	Altered sphingolipid function in Alzheimer's disease; a gene regulatory network approach. Neurobiology of Aging, 2021, 102, 178-187.	1.5	8
9	The Molecular Biology of Phosphodiesterase 4 Enzymes as Pharmacological Targets: An Interplay of Isoforms, Conformational States, and Inhibitors. Pharmacological Reviews, 2021, 73, 1016-1049.	7.1	33
10	DNA methylation regulates the expression of the negative transcriptional regulators ID2 and ID4 during OPC differentiation. Cellular and Molecular Life Sciences, 2021, 78, 6631-6644.	2.4	20
11	Haploinsufficiency of the Attention-Deficit/Hyperactivity Disorder Risk Gene St3gal3 in Mice Causes Alterations in Cognition and Expression of Genes Involved in Myelination and Sialylation. Frontiers in Genetics, 2021, 12, 688488.	1.1	11
12	Psychosis-associated DNA methylomic variation in Alzheimer's disease cortex. Neurobiology of Aging, 2020, 89, 83-88.	1.5	13
13	Cognitive Improvements After Intermittent Deep Brain Stimulation of the Nucleus Basalis of Meynert in a Transgenic Rat Model for Alzheimerâ€™s Disease: A Preliminary Approach. Journal of Alzheimer's Disease, 2020, 73, 461-466.	1.2	19
14	Epigenomeâ€wide association studies in Alzheimerâ€™s disease; Achievements and challenges. Brain Pathology, 2020, 30, 978-983.	2.1	9
15	How the COVID-19 pandemic highlights the necessity of animal research. Current Biology, 2020, 30, R1014-R1018.	1.8	26
16	An epigenome-wide association study of Alzheimer's disease blood highlights robust DNA hypermethylation in the HOXB6 gene. Neurobiology of Aging, 2020, 95, 26-45.	1.5	51
17	Clinical Implications of Epigenetic Dysregulation in Perinatal Hypoxic-Ischemic Brain Damage. Frontiers in Neurology, 2020, 11, 483.	1.1	23
18	From OPC to Oligodendrocyte: An Epigenetic Journey. Cells, 2019, 8, 1236.	1.8	74

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19	DNA methyltransferase isoforms expression in the temporal lobe of epilepsy patients with a history of febrile seizures. Clinical Epigenetics, 2019, 11, 118.	1.8	14
20	Identification of Cholecystokinin by Genome-Wide Profiling as Potential Mediator of Serotonin-Dependent Behavioral Effects of Maternal Separation in the Amygdala. Frontiers in Neuroscience, 2019, 13, 460.	1.4	11
21	Effects of DNA methyltransferase inhibition on pattern separation performance in mice. Neurobiology of Learning and Memory, 2019, 159, 6-15.	1.0	5
22	Active Amyloid-Î² Vaccination Results in Epigenetic Changes in the Hippocampus of an Alzheimerâ€™s Disease-Like Mouse Model. Current Alzheimer Research, 2019, 16, 861-870.	0.7	4
23	Alzheimerâ€™s disease-associated (hydroxy)methylomic changes in the brain and blood. Clinical Epigenetics, 2019, 11, 164.	1.8	88
24	Circulating Serum MicroRNAs as Potential Diagnostic Biomarkers of Posttraumatic Stress Disorder: A Pilot Study. Frontiers in Genetics, 2019, 10, 1042.	1.1	10
25	Early-life stress impairs developmental programming in Cadherin 13 (CDH13)-deficient mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 89, 158-168.	2.5	12
26	Systemic multipotent adult progenitor cells improve long-term neurodevelopmental outcomes after preterm hypoxic-ischemic encephalopathy. Behavioural Brain Research, 2019, 362, 77-81.	1.2	5
27	Gestational stress in mouse dams negatively affects gestation and postpartum hippocampal BDNF and P11 protein levels. Molecular and Cellular Neurosciences, 2018, 88, 292-299.	1.0	9
28	Perinatal selective serotonin reuptake inhibitor medication (SSRI) effects on social behaviors, neurodevelopment and the epigenome. Neuroscience and Biobehavioral Reviews, 2018, 85, 102-116.	2.9	48
29	Longitudinal analyses of the DNA methylome in deployed military servicemen identify susceptibility loci for post-traumatic stress disorder. Molecular Psychiatry, 2018, 23, 1145-1156.	4.1	98
30	Age-related epigenetic changes in hippocampal subregions of four animal models of Alzheimer's disease. Molecular and Cellular Neurosciences, 2018, 86, 1-15.	1.0	31
31	Age-related disturbances in DNA (hydroxy)methylation in APP/PS1 mice. Translational Neuroscience, 2018, 9, 190-202.	0.7	5
32	Neurotrophic factors and neuroplasticity pathways in the pathophysiology and treatment of depression. Psychopharmacology, 2018, 235, 2195-2220.	1.5	184
33	Paradoxical effects of mutant ubiquitin on AÎ² plaque formation in an Alzheimer mouse model. Neurobiology of Aging, 2018, 72, 62-71.	1.5	9
34	25 years of research on global asphyxia in the immature rat brain. Neuroscience and Biobehavioral Reviews, 2017, 75, 166-182.	2.9	38
35	DNA Methylation in Major Depressive Disorder. Advances in Experimental Medicine and Biology, 2017, 978, 185-196.	0.8	30
36	MicroRNAs in Post-traumatic Stress Disorder. Current Topics in Behavioral Neurosciences, 2017, 38, 23-46.	0.8	18

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37	Impact of varying social experiences during life history on behaviour, gene expression, and vasopressin receptor gene methylation in mice. Scientific Reports, 2017, 7, 8719.	1.6	22
38	Epigenetics and DNA methylomic profiling in Alzheimer's disease and other neurodegenerative diseases. Journal of Neurochemistry, 2017, 143, 158-170.	2.1	65
39	Epigenetic dysregulation of brainstem nuclei in the pathogenesis of Alzheimerâ€™s disease: looking in the correct place at the right time?. Cellular and Molecular Life Sciences, 2017, 74, 509-523.	2.4	14
40	Newborn genome-wide DNA methylation in association with pregnancy anxiety reveals a potential role for GABBR1. Clinical Epigenetics, 2017, 9, 107.	1.8	34
41	Fluoxetine Treatment Induces Seizure Behavior and Premature Death in APPswe/PS1dE9 Mice. Journal of Alzheimer's Disease, 2016, 51, 677-682.	1.2	13
42	CO2 exposure as translational cross-species experimental model for panic. Translational Psychiatry, 2016, 6, e885-e885.	2.4	43
43	Transcriptional and epigenetic mechanisms of cellular reprogramming to induced pluripotency. Epigenomics, 2016, 8, 1131-1149.	1.0	21
44	Effects of prenatal Poly I:C exposure on global histone deacetylase (HDAC) and DNA methyltransferase (DNMT) activity in the mouse brain. Molecular Biology Reports, 2016, 43, 711-717.	1.0	11
45	Prenatal stress and earlyâ€life exposure to fluoxetine have enduring effects on anxiety and hippocampal BDNF gene expression in adult male offspring. Developmental Psychobiology, 2016, 58, 427-438.	0.9	61
46	Quinolinic acid-immunoreactivity in the naÃ¯ve mouse brain. Journal of Chemical Neuroanatomy, 2016, 71, 6-12.	1.0	6
47	Behavioral and neurochemical characterization of TrkB-dependent mechanisms of agomelatine in glucocorticoid receptor-impaired mice. European Neuropsychopharmacology, 2016, 26, 65-77.	0.3	20
48	Developmental fluoxetine exposure increases behavioral despair and alters epigenetic regulation of the hippocampal BDNF gene in adult female offspring. Hormones and Behavior, 2016, 80, 47-57.	1.0	78
49	Fetal Asphyctic Preconditioning Protects Against Perinatal Asphyxia- Induced Apoptosis and Astrogliosis in Neonatal Brain. CNS and Neurological Disorders - Drug Targets, 2015, 14, 33-40.	0.8	10
50	Differential susceptibility to chronic social defeat stress relates to the number of Dnmt3a-immunoreactive neurons in the hippocampal dentate gyrus. Psychoneuroendocrinology, 2015, 51, 547-556.	1.3	27
51	Effects of stress early in gestation on hippocampal neurogenesis and glucocorticoid receptor density in pregnant rats. Neuroscience, 2015, 290, 379-388.	1.1	45
52	Interaction of brain 5-HT synthesis deficiency, chronic stress and sex differentially impact emotional behavior in Tph2 knockout mice. Psychopharmacology, 2015, 232, 2429-2441.	1.5	83
53	The epigenetics of aging and neurodegeneration. Progress in Neurobiology, 2015, 131, 21-64.	2.8	334
54	DNMT3A moderates cognitive decline in subjects with mild cognitive impairment: replicated evidence from two mild cognitive impairment cohorts. Epigenomics, 2015, 7, 533-537.	1.0	23

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55	The brain acidâ€“base homeostasis and serotonin: A perspective on the use of carbon dioxide as human and rodent experimental model of panic. Progress in Neurobiology, 2015, 129, 58-78.	2.8	28
56	Defeat stress in rodents: From behavior to molecules. Neuroscience and Biobehavioral Reviews, 2015, 59, 111-140.	2.9	185
57	Cadherin-13, a risk gene for ADHD and comorbid disorders, impacts GABAergic function in hippocampus and cognition. Translational Psychiatry, 2015, 5, e655-e655.	2.4	90
58	Epigenetic modifications in mouse cerebellar Purkinje cells: effects of aging, caloric restriction, and overexpression of superoxide dismutase 1 on 5-methylcytosine and 5-hydroxymethylcytosine. Neurobiology of Aging, 2015, 36, 3079-3089.	1.5	24
59	Epigenetic Genes and Emotional Reactivity to Daily Life Events: A Multi-Step Gene-Environment Interaction Study. PLoS ONE, 2014, 9, e100935.	1.1	27
60	Differential Effects of Prenatal Stress in Female 5-Htt-Deficient Mice: Towards Molecular Mechanisms of Resilience. Developmental Neuroscience, 2014, 36, 454-464.	1.0	13
61	Prenatal stress-induced programming of genome-wide promoter DNA methylation in 5-HTT-deficient mice. Translational Psychiatry, 2014, 4, e473-e473.	2.4	44
62	Epigenetic dysregulation in Alzheimer's disease: cause or consequence?. Epigenomics, 2014, 6, 9-11.	1.0	11
63	Proteomic Investigation of the Hippocampus in Prenatally Stressed Mice Implicates Changes in Membrane Trafficking, Cytoskeletal, and Metabolic Function. Developmental Neuroscience, 2014, 36, 432-442.	1.0	13
64	Epigenetic Effects of Electroconvulsive Seizures. Journal of ECT, 2014, 30, 152-159.	0.3	20
65	The epigenome and postnatal environmental influences in psychotic disorders. Social Psychiatry and Psychiatric Epidemiology, 2014, 49, 337-348.	1.6	31
66	Epigenetically regulated microRNAs in Alzheimer's disease. Neurobiology of Aging, 2014, 35, 731-745.	1.5	105
67	Epigenetic regulation of adult neural stem cells: implications for Alzheimerâ€™s disease. Molecular Neurodegeneration, 2014, 9, 25.	4.4	55
68	Improvement of spatial memory function in APPswe/PS1dE9 mice after chronic inhibition of phosphodiesterase type 4D. Neuropharmacology, 2014, 77, 120-130.	2.0	102
69	Prenatal stress and subsequent exposure to chronic mild stress in rats; interdependent effects on emotional behavior and the serotonergic system. European Neuropsychopharmacology, 2014, 24, 595-607.	0.3	119
70	Resilience in mental health: linking psychological and neurobiological perspectives. Acta Psychiatrica Scandinavica, 2013, 128, 3-20.	2.2	286
71	Behavioral and neurobiological effects of prenatal stress exposure in male and female APPswe/PS1dE9 mice. Neurobiology of Aging, 2013, 34, 319-337.	1.5	74
72	Vulnerability versus resilience to prenatal stress in male and female rats; Implications from gene expression profiles in the hippocampus and frontal cortex. European Neuropsychopharmacology, 2013, 23, 1226-1246.	0.3	99

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73	Carbon dioxide inhalation as a human experimental model of panic: The relationship between emotions and cardiovascular physiology. Biological Psychology, 2013, 94, 331-340.	1.1	32
74	Consistent decrease in global DNA methylation and hydroxymethylation in the hippocampus of Alzheimer's disease patients. Neurobiology of Aging, 2013, 34, 2091-2099.	1.5	361
75	Chronic phosphodiesterase type 2 inhibition improves memory in the APPswe/PS1dE9 mouse model of Alzheimer's disease. Neuropharmacology, 2013, 64, 124-136.	2.0	71
76	Histone Deacetylase 2 in the Mouse Hippocampus: Attenuation of Age- Related Increase by Caloric Restriction. Current Alzheimer Research, 2013, 10, 868-876.	0.7	47
77	The Role of 5-Hydroxymethylcytosine in Aging and Alzheimerâ€™s Disease: Current Status and Prospects for Future Studies. Current Alzheimer Research, 2012, 9, 545-549.	0.7	59
78	Age-Related Increase in Levels of 5-Hydroxymethylcytosine in Mouse Hippocampus is Prevented by Caloric Restriction. Current Alzheimer Research, 2012, 9, 536-544.	0.7	90
79	Effects of prenatal stress exposure on soluble AÎ² and brain-derived neurotrophic factor signaling in male and female APPswe/PS1dE9 mice. Neurochemistry International, 2012, 61, 697-701.	1.9	27
80	Prevention of age-related changes in hippocampal levels of 5-methylcytidine by caloric restriction. Neurobiology of Aging, 2012, 33, 1672-1681.	1.5	73
81	TrkB inhibition as a therapeutic target for CNS-related disorders. Progress in Neurobiology, 2012, 98, 197-206.	2.8	71
82	Recurrent long-lasting tethering reduces BDNF protein levels in the dorsal hippocampus and frontal cortex in pigs. Hormones and Behavior, 2012, 62, 10-17.	1.0	11
83	Chronic fluoxetine treatment and maternal adversity differentially alter neurobehavioral outcomes in the rat dam. Behavioural Brain Research, 2012, 228, 159-168.	1.2	84
84	Targeting brain serotonin synthesis: insights into neurodevelopmental disorders with long-term outcomes related to negative emotionality, aggression and antisocial behaviour. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2426-2443.	1.8	127
85	The serotonin transporter gene and functional and pathological adaptation to environmental variation across the life span. Progress in Neurobiology, 2012, 99, 117-127.	2.8	50
86	Expression of Monoamine Transporters, Nitric Oxide Synthase 3, and Neurotrophin Genes in Antidepressant-Stimulated Astrocytes. Frontiers in Psychiatry, 2012, 3, 33.	1.3	17
87	Epigenetic regulation of the BDNF gene: implications for psychiatric disorders. Molecular Psychiatry, 2012, 17, 584-596.	4.1	262
88	Caloric restriction attenuates age-related changes of DNA methyltransferase 3a in mouse hippocampus. Brain, Behavior, and Immunity, 2011, 25, 616-623.	2.0	78
89	Stress and the pregnant female: Impact on hippocampal cell proliferation, but not affective-like behaviors. Hormones and Behavior, 2011, 59, 572-580.	1.0	66
90	Evidence of female-specific glial deficits in the hippocampus in a mouse model of prenatal stress. European Neuropsychopharmacology, 2011, 21, 71-79.	0.3	62

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91	Fluoxetine during Development Reverses the Effects of Prenatal Stress on Depressive-Like Behavior and Hippocampal Neurogenesis in Adolescence. PLoS ONE, 2011, 6, e24003.	1.1	154
92	Differential Effects of Prenatal Stress in 5-Htt Deficient Mice: Towards Molecular Mechanisms of Gene Ã— Environment Interactions. PLoS ONE, 2011, 6, e22715.	1.1	75
93	Major depression, cognitive dysfunction and Alzheimer's disease: Is there a link?. European Journal of Pharmacology, 2010, 626, 72-82.	1.7	102
94	Brain apoptosis and carotid artery reactivity in fetal asphyctic preconditioning. Frontiers in Bioscience - Scholar, 2010, S2, 781-790.	0.8	17
95	Fetal asphyctic preconditioning protects against perinatal asphyxia-induced behavioral consequences in adulthood. Behavioural Brain Research, 2010, 208, 343-351.	1.2	34
96	Epigenetic regulation in the pathophysiology of Alzheimer's disease. Progress in Neurobiology, 2010, 90, 498-510.	2.8	237
97	Maternal stress-induced reduction in birth weight as a marker for adult affective state. Frontiers in Bioscience - Elite, 2010, E2, 43-46.	0.9	12
98	Chorioamnionitis induced by intraamniotic lipopolysaccharide resulted in an interval-dependent increase in central nervous system injury in the fetal sheep. American Journal of Obstetrics and Gynecology, 2009, 200, 437.e1-437.e8.	0.7	48
99	Stress-mediated decreases in brain-derived neurotrophic factor as potential confounding factor for acute tryptophan depletion-induced neurochemical effects. European Neuropsychopharmacology, 2009, 19, 812-821.	0.3	15
100	Fetal Asphyxia Leads to a Decrease in Dorsal Raphe Serotonergic Neurons. Developmental Neuroscience, 2008, 30, 358-366.	1.0	16
101	Prenatal Maternal Paroxetine Treatment and Neonatal Mortality in the Rat: A Preliminary Study. Neonatology, 2008, 93, 52-55.	0.9	30
102	Prenatal stress and subsequent exposure to chronic mild stress influence dendritic spine density and morphology in the rat medial prefrontal cortex. BMC Neuroscience, 2007, 8, 107.	0.8	86
103	Chronic corticosterone manipulations in mice affect brain cell proliferation rates, but only partly affect BDNF protein levels. Neuroscience Letters, 2006, 396, 12-16.	1.0	23
104	Prenatal stress and neonatal rat brain development. Neuroscience, 2006, 137, 145-155.	1.1	173
105	Prenatal stress reduces S100B in the neonatal rat hippocampus. NeuroReport, 2006, 17, 1077-1080.	0.6	23
106	Lowering the dose of antenatal steroids: The effects of a single course of betamethasone on somatic growth and brain cell proliferation in the rat. American Journal of Obstetrics and Gynecology, 2006, 194, 1341-1346.	0.7	20
107	Prenatal stress in the rat alters 5-HT1A receptor binding in the ventral hippocampus. Brain Research, 2006, 1090, 29-34.	1.1	76
108	Cognition- and Anxiety-Related Behavior, Synaptophysin and MAP2 Immunoreactivity in the Adult Rat Treated with a Single Course of Antenatal Betamethasone. Pediatric Research, 2006, 60, 50-54.	1.1	12

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109	Gestational Stress Leads to Depressive-Like Behavioural and Immunological Changes in the Rat. NeuroImmunoModulation, 2006, 13, 82-88.	0.9	76
110	A single course of antenatal betamethasone reduces neurotrophic factor S100B concentration in the hippocampus and serum in the neonatal rat. Developmental Brain Research, 2005, 159, 113-118.	2.1	20
111	Prenatal Restraint Stress and Long-Term Affective Consequences. Developmental Neuroscience, 2005, 27, 313-320.	1.0	104
112	A Single Course of Prenatal Betamethasone in the Rat Alters Postnatal Brain Cell Proliferation but not Apoptosis. Journal of Physiology, 2003, 552, 163-175.	1.3	59