Mark P Burns

List of Publications by Year
in descending order

49 papers	4,203 citations	186265 28 h-index	214800 47 g-index
55 all docs	55 docs citations	55 times ranked	5764 citing authors

#	Article	IF	Citations
1	Inhibition of glycogen synthase kinase-3 by lithium correlates with reduced tauopathy and degeneration<i>in vivo</i>. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6990-6995.	7.1	649
2	Cdk5 Is a Key Factor in Tau Aggregation and Tangle Formation In Vivo. Neuron, 2003, 38, 555-565.	8.1	474
3	Sexual dimorphism in the inflammatory response to traumatic brain injury. Glia, 2017, 65, 1423-1438.	4.9	230
4	Amyloid precursor protein secretases as therapeutic targets for traumatic brain injury. Nature Medicine, 2009, 15, 377-379.	30.7	219
5	Traumatic brain injury in aged animals increases lesion size and chronically alters microglial/macrophage classical and alternative activation states. Neurobiology of Aging, 2013, 34, 1397-1411.	3.1	213
6	The Effect of Injury Severity on Behavior: A Phenotypic Study of Cognitive and Emotional Deficits after Mild, Moderate, and Severe Controlled Cortical Impact Injury in Mice. Journal of Neurotrauma, 2012, 29, 2283-2296.	3.4	178
7	Nitric oxide synthase inhibitors augment the effects of serotonin re-uptake inhibitors in the forced swimming test. European Neuropsychopharmacology, 2004, 14, 274-281.	0.7	148
8	Polypathology and dementia after brain trauma: Does brain injury trigger distinct neurodegenerative diseases, or should they be classified together as traumatic encephalopathy?. Experimental Neurology, 2016, 275, 381-388.	4.1	144
9	Cholesterol in Alzheimer's Disease and Tauopathy. Annals of the New York Academy of Sciences, 2002, 977, 367-375.	3.8	116
10	The GABA_A Receptor Agonist THIP Ameliorates Specific Behavioral Deficits in the Mouse Model of Fragile X Syndrome. Developmental Neuroscience, 2011, 33, 395-403.	2.0	111
11	Co-localization of cholesterol, apolipoprotein E and fibrillar AÎ² in amyloid plaques. Molecular Brain Research, 2003, 110, 119-125.	2.3	108
12	Young APOE4 targeted replacement mice exhibit poor spatial learning and memory, with reduced dendritic spine density in the medial entorhinal cortex. Learning and Memory, 2013, 20, 256-266.	1.3	107
13	Traumatic Brain Injury in Mice Induces Acute Bacterial Dysbiosis Within the Fecal Microbiome. Frontiers in Immunology, 2018, 9, 2757.	4.8	105
14	The effects of ABCA1 on cholesterol efflux and AÎ² levels <i>in vitro</i> and <i>in vivo</i>. Journal of Neurochemistry, 2006, 98, 792-800.	3.9	101
15	Apolipoprotein E4 impairs spontaneous blood brain barrier repair following traumatic brain injury. Molecular Neurodegeneration, 2018, 13, 17.	10.8	91
16	Experimental Traumatic Brain Injury Induces Rapid Aggregation and Oligomerization of Amyloid-Beta in an Alzheimer's Disease Mouse Model. Journal of Neurotrauma, 2014, 31, 125-134.	3.4	90
17	Parkin promotes intracellular AÂ1-42 clearance. Human Molecular Genetics, 2009, 18, 3206-3216.	2.9	89
18	Dendritic Spine Loss and Chronic White Matter Inflammation in a Mouse Model of Highly Repetitive Head Trauma. American Journal of Pathology, 2016, 186, 552-567.	3.8	84

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19	Controlled Cortical Impact Results in an Extensive Loss of Dendritic Spines that Is Not Mediated by Injury-Induced Amyloid-Beta Accumulation. Journal of Neurotrauma, 2013, 30, 1966-1972.	3.4	80
20	Lowâ€density lipoprotein receptors regulate microglial inflammation through câ€Jun Nâ€terminal kinase. Glia, 2009, 57, 444-453.	4.9	79
21	The Metalloprotease Inhibitor TIMP-3 Regulates Amyloid Precursor Protein and Apolipoprotein E Receptor Proteolysis. Journal of Neuroscience, 2007, 27, 10895-10905.	3.6	67
22	NOX2 deficiency alters macrophage phenotype through an IL-10/STAT3 dependent mechanism: implications for traumatic brain injury. Journal of Neuroinflammation, 2017, 14, 65.	7.2	65
23	Cortical Injury Increases Cholesterol 24S Hydroxylase (Cyp46) Levels in the Rat Brain. Journal of Neurotrauma, 2008, 25, 1087-1098.	3.4	54
24	Modulation of ABCA1 by an LXR Agonist Reduces Beta-Amyloid Levels and Improves Outcome after Traumatic Brain Injury. Journal of Neurotrauma, 2011, 28, 225-236.	3.4	54
25	Cholesterol Distribution, Not Total Levels, Correlate With Altered Amyloid Precursor Protein Processing in Statin-Treated Mice. NeuroMolecular Medicine, 2006, 8, 319-328.	3.4	52
26	Primum non nocere: a call for balance when reporting on CTE. Lancet Neurology, The, 2019, 18, 231-233.	10.2	48
27	Glial- and Neuronal-Specific Expression of CCL5 mRNA in the Rat Brain. Frontiers in Neuroanatomy, 2017, 11, 137.	1.7	45
28	Regulation of central nervous system cholesterol homeostasis by the liver X receptor agonist TO-901317. Neuroscience Letters, 2007, 423, 47-52.	2.1	33
29	Intracellular cholesterol homeostasis and amyloid precursor protein processing. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 853-859.	2.4	32
30	Tyrosine kinase inhibition reverses <scp>TDP</scp>â€43 effects on synaptic protein expression, astrocytic function and amino acid disâ€homeostasis. Journal of Neurochemistry, 2016, 139, 610-623.	3.9	30
31	Temporal Changes in Cortical and Hippocampal Expression of Genes Important for Brain Glucose Metabolism Following Controlled Cortical Impact Injury in Mice. Frontiers in Endocrinology, 2017, 8, 231.	3.5	29
32	High-frequency head impact causes chronic synaptic adaptation and long-term cognitive impairment in mice. Nature Communications, 2021, 12, 2613.	12.8	29
33	24S-hydroxycholesterol effects on lipid metabolism genes are modeled in traumatic brain injury. Brain Research, 2010, 1319, 1-12.	2.2	28
34	Cholesterol independent effect of LXR agonist TOâ€901317 on gammaâ€secretase. Journal of Neurochemistry, 2007, 101, 929-936.	3.9	26
35	The cytoplasmic adaptor protein X11Î± and extracellular matrix protein Reelin regulate ApoE receptor 2 trafficking and cell movement. FASEB Journal, 2010, 24, 58-69.	0.5	26
36	Inhibition of amyloid precursor protein secretases reduces recovery after spinal cord injury. Brain Research, 2014, 1560, 73-82.	2.2	22

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37	Use of in vivo models to study the role of cholesterol in the etiology of Alzheimer's disease. Neurochemical Research, 2003, 28, 979-986.	3.3	21
38	Challenges in neurodegeneration research. Frontiers in Psychiatry, 2010, 1, 7.	2.6	20
39	Reduced cortical excitatory synapse number in APOE4 mice is associated with increased calcineurin activity. NeuroReport, 2017, 28, 618-624.	1.2	15
40	Inhibition of Polo-like kinase 2 ameliorates pathogenesis in Alzheimerâ€™s disease model mice. PLoS ONE, 2019, 14, e0219691.	2.5	14
41	Chronic Neurobehavioral Impairments and Decreased Hippocampal Expression of Genes Important for Brain Glucose Utilization in a Mouse Model of Mild TBI. Frontiers in Endocrinology, 2020, 11, 556380.	3.5	14
42	Combination of Fluorescent in situ Hybridization (FISH) and Immunofluorescence Imaging for Detection of Cytokine Expression in Microglia/Macrophage Cells. Bio-protocol, 2017, 7, .	0.4	12
43	The Effect of Traumatic Brain Injury on Sleep Architecture and Circadian Rhythms in Miceâ€"A Comparison of High-Frequency Head Impact and Controlled Cortical Injury. Biology, 2022, 11, 1031.	2.8	12
44	The Effect of the APOE4 Gene on Accumulation of AÎ² 40 After Brain Injury Cannot Be Reversed by Increasing apoE4 Protein. Journal of Neuropathology and Experimental Neurology, 2016, 75, 770-778.	1.7	10
45	A Novel Multi-Dimensional Analysis of Rodent Gait Reveals the Compensation Strategies Used during Spontaneous Recovery from Spinal Cord and Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 517-527.	3.4	10
46	A Mouse Model of Single and Repetitive Mild Traumatic Brain Injury. Journal of Visualized Experiments, 2017, , .	0.3	9
47	Brain on steroids resists neurodegeneration. Nature Medicine, 2004, 10, 675-676.	30.7	8
48	High-Frequency Head Impact Disrupts Hippocampal Neural Ensemble Dynamics. Frontiers in Cellular Neuroscience, 2021, 15, 763423.	3.7	1
49	Polypathology and Dementia After Brain Trauma: Does Brain Injury Trigger Distinct Neurodegenerative Diseases, or Should They Be Classified Together as Traumatic Encephalopathy?. , 2019, , 573-581.		0