

# Mark P Burns

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47 papers	3,440 citations	28 h-index	55 g-index
55 ext. papers	3,890 ext. citations	7.9 avg, IF	5.1 L-index

#	Paper	IF	Citations
47	High-Frequency Head Impact Disrupts Hippocampal Neural Ensemble Dynamics.. <i>Frontiers in Cellular Neuroscience</i> , <b>2021</b> , 15, 763423	6.1	
46	High-frequency head impact causes chronic synaptic adaptation and long-term cognitive impairment in mice. <i>Nature Communications</i> , <b>2021</b> , 12, 2613	17.4	10
45	Chronic Neurobehavioral Impairments and Decreased Hippocampal Expression of Genes Important for Brain Glucose Utilization in a Mouse Model of Mild TBI. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 556380	5.7	3
44	A Novel Multi-Dimensional Analysis of Rodent Gait Reveals the Compensation Strategies Used during Spontaneous Recovery from Spinal Cord and Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 517-527	5.4	7
43	Polypathology and Dementia After Brain Trauma: Does Brain Injury Trigger Distinct Neurodegenerative Diseases, or Should They Be Classified Together as Traumatic Encephalopathy? <b>2019</b> , 573-581		
42	Inhibition of Polo-like kinase 2 ameliorates pathogenesis in Alzheimer's disease model mice. <i>PLoS ONE</i> , <b>2019</b> , 14, e0219691	3.7	6
41	Primum non nocere: a call for balance when reporting on CTE. <i>Lancet Neurology, The</i> , <b>2019</b> , 18, 231-233	24.1	34
40	Apolipoprotein E4 impairs spontaneous blood brain barrier repair following traumatic brain injury. <i>Molecular Neurodegeneration</i> , <b>2018</b> , 13, 17	19	66
39	Traumatic Brain Injury in Mice Induces Acute Bacterial Dysbiosis Within the Fecal Microbiome. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2757	8.4	49
38	Reduced cortical excitatory synapse number in APOE4 mice is associated with increased calcineurin activity. <i>NeuroReport</i> , <b>2017</b> , 28, 618-624	1.7	10
37	Sexual dimorphism in the inflammatory response to traumatic brain injury. <i>Glia</i> , <b>2017</b> , 65, 1423-1438	9	141
36	Combination of Fluorescent Hybridization (FISH) and Immunofluorescence Imaging for Detection of Cytokine Expression in Microglia/Macrophage Cells. <i>Bio-protocol</i> , <b>2017</b> , 7,	0.9	8
35	Glial- and Neuronal-Specific Expression of CCL5 mRNA in the Rat Brain. <i>Frontiers in Neuroanatomy</i> , <b>2017</b> , 11, 137	3.6	24
34	A Mouse Model of Single and Repetitive Mild Traumatic Brain Injury. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	6
33	NOX2 deficiency alters macrophage phenotype through an IL-10/STAT3 dependent mechanism: implications for traumatic brain injury. <i>Journal of Neuroinflammation</i> , <b>2017</b> , 14, 65	10.1	44
32	Temporal Changes in Cortical and Hippocampal Expression of Genes Important for Brain Glucose Metabolism Following Controlled Cortical Impact Injury in Mice. <i>Frontiers in Endocrinology</i> , <b>2017</b> , 8, 231	5.7	15
31	The Effect of the APOE4 Gene on Accumulation of A $\beta$ 40 After Brain Injury Cannot Be Reversed by Increasing apoE4 Protein. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2016</b> , 75, 770-778	3.1	8

30	Dendritic Spine Loss and Chronic White Matter Inflammation in a Mouse Model of Highly Repetitive Head Trauma. <i>American Journal of Pathology</i> , <b>2016</b> , 186, 552-67	5.8	62
29	Polypathology and dementia after brain trauma: Does brain injury trigger distinct neurodegenerative diseases, or should they be classified together as traumatic encephalopathy?. <i>Experimental Neurology</i> , <b>2016</b> , 275 Pt 3, 381-388	5.7	104
28	Tyrosine kinase inhibition reverses TDP-43 effects on synaptic protein expression, astrocytic function and amino acid dis-homeostasis. <i>Journal of Neurochemistry</i> , <b>2016</b> , 139, 610-623	6	21
27	Experimental traumatic brain injury induces rapid aggregation and oligomerization of amyloid-beta in an Alzheimer's disease mouse model. <i>Journal of Neurotrauma</i> , <b>2014</b> , 31, 125-34	5.4	65
26	Inhibition of amyloid precursor protein secretases reduces recovery after spinal cord injury. <i>Brain Research</i> , <b>2014</b> , 1560, 73-82	3.7	14
25	Controlled cortical impact results in an extensive loss of dendritic spines that is not mediated by injury-induced amyloid-beta accumulation. <i>Journal of Neurotrauma</i> , <b>2013</b> , 30, 1966-72	5.4	68
24	Traumatic brain injury in aged animals increases lesion size and chronically alters microglial/macrophage classical and alternative activation states. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 1397-411	5.6	184
23	Young APOE4 targeted replacement mice exhibit poor spatial learning and memory, with reduced dendritic spine density in the medial entorhinal cortex. <i>Learning and Memory</i> , <b>2013</b> , 20, 256-66	2.8	84
22	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. <i>Journal of Neurotrauma</i> , <b>2012</b> , 29, 2283-96	5.4	150
21	Modulation of ABCA1 by an LXR agonist reduces $\beta$ amyloid levels and improves outcome after traumatic brain injury. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 225-36	5.4	48
20	The GABA(A) receptor agonist THIP ameliorates specific behavioral deficits in the mouse model of fragile X syndrome. <i>Developmental Neuroscience</i> , <b>2011</b> , 33, 395-403	2.2	88
19	Challenges in neurodegeneration research. <i>Frontiers in Psychiatry</i> , <b>2010</b> , 1, 7	5	15
18	The cytoplasmic adaptor protein X11alpha and extracellular matrix protein Reelin regulate ApoE receptor 2 trafficking and cell movement. <i>FASEB Journal</i> , <b>2010</b> , 24, 58-69	0.9	21
17	Intracellular cholesterol homeostasis and amyloid precursor protein processing. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2010</b> , 1801, 853-9	5	25
16	24S-hydroxycholesterol effects on lipid metabolism genes are modeled in traumatic brain injury. <i>Brain Research</i> , <b>2010</b> , 1319, 1-12	3.7	25
15	Parkin promotes intracellular Abeta1-42 clearance. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 3206-16	5.6	84
14	Low-density lipoprotein receptors regulate microglial inflammation through c-Jun N-terminal kinase. <i>Glia</i> , <b>2009</b> , 57, 444-53	9	66
13	Amyloid precursor protein secretases as therapeutic targets for traumatic brain injury. <i>Nature Medicine</i> , <b>2009</b> , 15, 377-9	50.5	196

12	Cortical injury increases cholesterol 24S hydroxylase (Cyp46) levels in the rat brain. <i>Journal of Neurotrauma</i> , <b>2008</b> , 25, 1087-98	5.4	45
11	Cholesterol independent effect of LXR agonist TO-901317 on gamma-secretase. <i>Journal of Neurochemistry</i> , <b>2007</b> , 101, 929-36	6	23
10	The metalloprotease inhibitor TIMP-3 regulates amyloid precursor protein and apolipoprotein E receptor proteolysis. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 10895-905	6.6	44
9	Regulation of central nervous system cholesterol homeostasis by the liver X receptor agonist TO-901317. <i>Neuroscience Letters</i> , <b>2007</b> , 423, 47-52	3.3	32
8	The effects of ABCA1 on cholesterol efflux and Abeta levels in vitro and in vivo. <i>Journal of Neurochemistry</i> , <b>2006</b> , 98, 792-800	6	91
7	Cholesterol distribution, not total levels, correlate with altered amyloid precursor protein processing in statin-treated mice. <i>NeuroMolecular Medicine</i> , <b>2006</b> , 8, 319-28	4.6	40
6	Inhibition of glycogen synthase kinase-3 by lithium correlates with reduced tauopathy and degeneration in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 6990-5	11.5	565
5	Nitric oxide synthase inhibitors augment the effects of serotonin re-uptake inhibitors in the forced swimming test. <i>European Neuropsychopharmacology</i> , <b>2004</b> , 14, 274-81	1.2	136
4	Use of in vivo models to study the role of cholesterol in the etiology of Alzheimer's disease. <i>Neurochemical Research</i> , <b>2003</b> , 28, 979-86	4.6	17
3	Co-localization of cholesterol, apolipoprotein E and fibrillar Abeta in amyloid plaques. <i>Molecular Brain Research</i> , <b>2003</b> , 110, 119-25		85
2	Cdk5 is a key factor in tau aggregation and tangle formation in vivo. <i>Neuron</i> , <b>2003</b> , 38, 555-65	13.9	428
1	Cholesterol in Alzheimer's disease and tauopathy. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 977, 367-75	6.5	97