

Shawn N Whitehead

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.

72
papers

1,510
citations

22
h-index

36
g-index

78
ext. papers

1,843
ext. citations

5.5
avg, IF

4.76
L-index

#	Paper	IF	Citations
72	Microglial inflammation and cognitive dysfunction in comorbid rat models of striatal ischemic stroke and alzheimer's disease: effects of antioxidant catalase-SKL on behavioral and cellular pathology.. <i>Neuroscience</i> , 2022 ,	3.9	1
71	Spectroscopy detects skeletal muscle microvascular dysfunction during onset of sepsis in a rat fecal peritonitis model.. <i>Scientific Reports</i> , 2022 , 12, 6339	4.9	0
70	Developments in NEW triad research.. <i>Aging</i> , 2022 , 14, 3726-3727	5.6	
69	Expanding the horizon of research into the pathogenesis of the white matter diseases: Proceedings of the 2021 Annual Workshop of the Albert Research Institute for White Matter and Cognition. <i>GeroScience</i> , 2021 , 1	8.9	0
68	Imaging of Neurotransmitters and Small Molecules in Brain Tissues Using Laser Desorption/Ionization Mass Spectrometry Assisted with Zinc Oxide Nanoparticles. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 1065-1079	3.5	6
67	Precocious White Matter Inflammation and Behavioural Inflexibility Precede Learning and Memory Impairment in the TgAPP21 Rat Model of Alzheimer Disease. <i>Molecular Neurobiology</i> , 2021 , 58, 5014-5030	6.2	0
66	Brain Targeting and Toxicological Assessment of the Extracellular Vesicle-Packaged Antioxidant Catalase-SKL Following Intranasal Administration in Mice. <i>Neurotoxicity Research</i> , 2021 , 39, 1418-1429	4.3	3
65	Oxidized phosphatidylcholines found in multiple sclerosis lesions mediate neurodegeneration and are neutralized by microglia. <i>Nature Neuroscience</i> , 2021 , 24, 489-503	25.5	21
64	GABA Receptor Agonist R-Baclofen Reverses Altered Auditory Reactivity and Filtering in the Knock-Out Rat. <i>Frontiers in Integrative Neuroscience</i> , 2021 , 15, 710593	3.2	2
63	Microvessel stenosis, enlarged perivascular spaces, and fibrinogen deposition are associated with ischemic periventricular white matter hyperintensities. <i>Brain Pathology</i> , 2021 , e13017	6	2
62	Brain health: Key to health, productivity, and well-being. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	1
61	Regional Lipid Expression Abnormalities Identified Using MALDI IMS Correspond to MRI-Defined White Matter Hyperintensities within Post-mortem Human Brain Tissues. <i>Analytical Chemistry</i> , 2021 , 93, 2652-2659	7.8	1
60	Imaging mass spectrometry allows for neuroanatomic-specific detection of gangliosides in the healthy and diseased brain. <i>Analyst</i> , 2020 , 145, 2473-2481	5	6
59	Danegaptide Enhances Astrocyte Gap Junctional Coupling and Reduces Ischemic Reperfusion Brain Injury in Mice. <i>Biomolecules</i> , 2020 , 10,	5.9	10
58	Ganglioside Detection from Formalin-Fixed Human Brain Tissue Utilizing MALDI Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 479-487	3.5	19
57	Neurovascular unit dysregulation, white matter disease, and executive dysfunction: the shared triad of vascular cognitive impairment and Alzheimer disease. <i>GeroScience</i> , 2020 , 42, 445-465	8.9	23
56	Hypertension and Pathogenic hAPP Independently Induce White Matter Astrocytosis and Cognitive Impairment in the Rat. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 82	5.3	2

55	White Matter Degeneration-A Treatable Target?. <i>JAMA Neurology</i> , 2020 , 77, 793-794	17.2	6
54	TSPO PET detects acute neuroinflammation but not diffuse chronically activated MHCII microglia in the rat. <i>EJNMMI Research</i> , 2020 , 10, 113	3.6	7
53	Targeting white matter microgliosis using minocycline in a co-morbid preclinical rat model of Alzheimer's disease and stroke. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
52	Mild Cognitive Impairment in the Presence of Depressive Symptoms Related to Impaired Cerebrovascular Function in the Obese Zucker Rat. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
51	Post-mortem 7 Tesla MRI detection of white matter hyperintensities: A multidisciplinary voxel-wise comparison of imaging and histological correlates. <i>NeuroImage: Clinical</i> , 2020 , 27, 102340	5.3	3
50	Special topic section: linkages among cerebrovascular, cardiovascular, and cognitive disorders: Preventing dementia by preventing stroke: The Berlin Manifesto. <i>International Journal of Stroke</i> , 2019 , 1747493019871915	6.3	8
49	Left atrial microvascular endothelial dysfunction, myocardial inflammation and fibrosis after selective insular cortex ischemic stroke. <i>International Journal of Cardiology</i> , 2019 , 292, 148-155	3.2	17
48	Endothelium-dependent impairments to cerebral vascular reactivity with type 2 diabetes mellitus in the Goto-Kakizaki rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R149-R159	3.2	5
47	Chloroquine Restores Ganglioside Homeostasis and Improves Pathological and Behavioral Outcomes Post-stroke in the Rat. <i>Molecular Neurobiology</i> , 2019 , 56, 3552-3562	6.2	4
46	Lateralization of the control of cardiovascular autonomic function and left atrial injury after selective right and left insular stroke. <i>International Journal of Cardiology</i> , 2019 , 294, 15	3.2	1
45	Preventing dementia by preventing stroke: The Berlin Manifesto. <i>Alzheimer's and Dementia</i> , 2019 , 15, 961-984	1.2	113
44	Impaired behavioural flexibility related to white matter microgliosis in the TgAPP21 rat model of Alzheimer disease. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 25-34	16.6	18
43	Detection of Amyloid Beta (A β) Oligomeric Composition Using Matrix-Assisted Laser Desorption Ionization Mass Spectrometry (MALDI MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 786-795	3.5	13
42	Matrix-assisted laser desorption/ionization imaging mass spectrometry of intraperitoneally injected danegaptide (ZP1609) for treatment of stroke-reperfusion injury in mice. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 951-958	2.2	8
41	Membrane-lipid homeostasis in a prodromal rat model of Alzheimer's disease: Characteristic profiles in ganglioside distributions during aging detected using MALDI imaging mass spectrometry. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 1327-1338	4	26
40	Mechanisms of lysophosphatidylcholine-induced demyelination: A primary lipid disrupting myelinopathy. <i>Glia</i> , 2018 , 66, 327-347	9	68
39	Pathophysiology and Risk of Atrial Fibrillation Detected after Ischemic Stroke (PARADISE): A Translational, Integrated, and Transdisciplinary Approach. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018 , 27, 606-619	2.8	11
38	APP21 transgenic rats develop age-dependent cognitive impairment and microglia accumulation within white matter tracts. <i>Journal of Neuroinflammation</i> , 2018 , 15, 241	10.1	12

37	Targeted Antioxidant, Catalase-SKL, Reduces Beta-Amyloid Toxicity in the Rat Brain. <i>Brain Pathology</i> , 2017 , 27, 86-94	6	20
36	Milder Alzheimer's disease pathology in heart failure and atrial fibrillation. <i>Alzheimer's and Dementia</i> , 2017 , 13, 770-777	1.2	14
35	1,6-Diphenyl-1,3,5-hexatriene (DPH) as a Novel Matrix for MALDI MS Imaging of Fatty Acids, Phospholipids, and Sulfatides in Brain Tissues. <i>Analytical Chemistry</i> , 2017 , 89, 12828-12836	7.8	27
34	Sublimation of DAN Matrix for the Detection and Visualization of Gangliosides in Rat Brain Tissue for MALDI Imaging Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	21
33	Age-dependent and regional heterogeneity in the long-chain base of A-series gangliosides observed in the rat brain using MALDI Imaging. <i>Scientific Reports</i> , 2017 , 7, 16135	4.9	13
32	Behavioural inflexibility in a comorbid rat model of striatal ischemic injury and mutant hAPP overexpression. <i>Behavioural Brain Research</i> , 2017 , 333, 267-275	3.4	10
31	Motor and Hippocampal Dependent Spatial Learning and Reference Memory Assessment in a Transgenic Rat Model of Alzheimer's Disease with Stroke. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	2
30	Prefrontal Ischemia in the Rat Leads to Secondary Damage and Inflammation in Remote Gray and White Matter Regions. <i>Frontiers in Neuroscience</i> , 2016 , 10, 81	5.1	24
29	Assessing the Effects of Acute Amyloid β Oligomer Exposure in the Rat. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	10
28	Increased Expression of GM1 Detected by Electrospray Mass Spectrometry in Rat Primary Embryonic Cortical Neurons Exposed to Glutamate Toxicity. <i>Analytical Chemistry</i> , 2016 , 88, 7844-52	7.8	9
27	Subtle learning and memory impairment in an idiopathic rat model of Alzheimer's disease utilizing cholinergic depletions and β Amyloid. <i>Brain Research</i> , 2016 , 1646, 12-24	3.7	11
26	In Vitro Validation of Intratumoral Modulation Therapy for Glioblastoma. <i>Anticancer Research</i> , 2016 , 36, 71-80	2.3	5
25	Age-Dependent Effect of β Amyloid Toxicity on Basal Forebrain Cholinergic Neurons and Inflammation in the Rat Brain. <i>Brain Pathology</i> , 2015 , 25, 531-42	6	15
24	Comorbid rat model of ischemia and β Amyloid toxicity: striatal and cortical degeneration. <i>Brain Pathology</i> , 2015 , 25, 24-32	6	27
23	Characterization of Behaviour and Remote Degeneration Following Thalamic Stroke in the Rat. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 13921-36	6.3	6
22	Differential Anatomical Expression of Ganglioside GM1 Species Containing d18:1 or d20:1 Sphingosine Detected by MALDI Imaging Mass Spectrometry in Mature Rat Brain. <i>Frontiers in Neuroanatomy</i> , 2015 , 9, 155	3.6	19
21	Increased Expression of Simple Ganglioside Species GM2 and GM3 Detected by MALDI Imaging Mass Spectrometry in a Combined Rat Model of A β Toxicity and Stroke. <i>PLoS ONE</i> , 2015 , 10, e0130364	3.7	31
20	Amyloid burden, neuroinflammation, and links to cognitive decline after ischemic stroke. <i>Stroke</i> , 2014 , 45, 2825-9	6.7	78

19	Cerebral endothelial expression of Robo1 affects brain infiltration of polymorphonuclear neutrophils during mouse stroke recovery. <i>Neurobiology of Disease</i> , 2013 , 54, 24-31	7.5	6
18	Antihypertensive treatment can prevent stroke and cognitive decline. <i>Nature Reviews Neurology</i> , 2013 , 9, 174-8	15	70
17	Membrane raft disruption results in neuritic retraction prior to neuronal death in cortical neurons. <i>BioScience Trends</i> , 2012 , 6, 183-91	9.9	15
16	Imaging mass spectrometry detection of gangliosides species in the mouse brain following transient focal cerebral ischemia and long-term recovery. <i>PLoS ONE</i> , 2011 , 6, e20808	3.7	65
15	Neuropilin 1 directly interacts with Fer kinase to mediate semaphorin 3A-induced death of cortical neurons. <i>Journal of Biological Chemistry</i> , 2010 , 285, 9908-9918	5.4	34
14	Disruption of CLC-2 expression is associated with progressive neurodegeneration in aging mice. <i>Neuroscience</i> , 2010 , 167, 154-62	3.9	14
13	Transient and bilateral increase in Neuropilin-1, Fer kinase and collapsin response mediator proteins within membrane rafts following unilateral occlusion of the middle cerebral artery in mouse. <i>Brain Research</i> , 2010 , 1344, 209-16	3.7	12
12	Triflusal reduces cerebral ischemia induced inflammation in a combined mouse model of Alzheimer's disease and stroke. <i>Brain Research</i> , 2010 , 1366, 246-56	3.7	22
11	Amyloid-beta42 signals tau hyperphosphorylation and compromises neuronal viability by disrupting alkylacylglycerophosphocholine metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20936-41	11.5	57
10	Differential regulation of wild-type and mutant alpha-synuclein binding to synaptic membranes by cytosolic factors. <i>BMC Neuroscience</i> , 2008 , 9, 92	3.2	20
9	Vascular risk factors and Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , 2008 , 8, 743-50	4.3	93
8	Identification of lysophosphatidylcholine (LPC) and platelet activating factor (PAF) from PC12 cells and mouse cortex using liquid chromatography/multi-stage mass spectrometry (LC/MS3). <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 3579-87	2.2	11
7	Identification and quantitation of changes in the platelet activating factor family of glycerophospholipids over the course of neuronal differentiation by high-performance liquid chromatography electrospray ionization tandem mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 8539-48	7.8	22
6	HIV protease inhibitors modulate apoptosis signaling in vitro and in vivo. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 969-77	5.4	35
5	Effects of triflusal and aspirin in a rat model of cerebral ischemia. <i>Stroke</i> , 2007 , 38, 381-7	6.7	23
4	Progressive increase in infarct size, neuroinflammation, and cognitive deficits in the presence of high levels of amyloid. <i>Stroke</i> , 2007 , 38, 3245-50	6.7	69
3	Effects of pyrrolidine dithiocarbamate on beta-amyloid (25-35)-induced inflammatory responses and memory deficits in the rat. <i>Neurobiology of Disease</i> , 2006 , 23, 140-51	7.5	64
2	Interaction between a rat model of cerebral ischemia and beta-amyloid toxicity: inflammatory responses. <i>Stroke</i> , 2005 , 36, 107-12	6.7	69

- 1 Interaction between a rat model of cerebral ischemia and beta-amyloid toxicity: II. Effects of triflusal. *Stroke*, **2005**, 36, 1782-9

6.7 30