

Karen Horsburgh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6998721/publications.pdf>

Version: 2024-02-01

41
papers

2,059
citations

236833

25
h-index

276775

41
g-index

46
all docs

46
docs citations

46
times ranked

2798
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic cerebral hypoperfusion: a key mechanism leading to vascular cognitive impairment and dementia. Closing the translational gap between rodent models and human vascular cognitive impairment and dementia. <i>Clinical Science</i> , 2017, 131, 2451-2468.	1.8	258
2	White matter degeneration in vascular and other ageing-related dementias. <i>Journal of Neurochemistry</i> , 2018, 144, 617-633.	2.1	147
3	The role of apolipoprotein E in Alzheimer's disease, acute brain injury and cerebrovascular disease: evidence of common mechanisms and utility of animal models. <i>Neurobiology of Aging</i> , 2000, 21, 245-255.	1.5	143
4	Frontal white matter hyperintensities, clasmotodendrosis and gliovascular abnormalities in ageing and post-stroke dementia. <i>Brain</i> , 2016, 139, 242-258.	3.7	129
5	Rapid Disruption of Axonal Glial Integrity in Response to Mild Cerebral Hypoperfusion. <i>Journal of Neuroscience</i> , 2011, 31, 18185-18194.	1.7	106
6	Extension of cerebral hypoperfusion and ischaemic pathology beyond MCA territory after intraluminal filament occlusion in C57Bl/6j mice. <i>Brain Research</i> , 2004, 997, 15-23.	1.1	102
7	Gliovascular Disruption and Cognitive Deficits in a Mouse Model with Features of Small Vessel Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1005-1014.	2.4	89
8	Increased neuronal damage in apolipoprotein E-deficient mice following global ischaemia. <i>NeuroReport</i> , 1999, 10, 837-841.	0.6	75
9	Selective white matter pathology induces a specific impairment in spatial working memory. <i>Neurobiology of Aging</i> , 2011, 32, 2324.e7-2324.e12.	1.5	74
10	Estrogen is Neuroprotective via an Apolipoprotein E-Dependent Mechanism in a Mouse Model of Global Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 1189-1195.	2.4	65
11	Activation of Nrf2-Regulated Glutathione Pathway Genes by Ischemic Preconditioning. <i>Oxidative Medicine and Cellular Longevity</i> , 2011, 2011, 1-7.	1.9	65
12	Intraventricular Infusion of Apolipoprotein E Ameliorates Acute Neuronal Damage after Global Cerebral Ischemia in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 458-462.	2.4	62
13	4-Hydroxynonenal Immunoreactivity is Increased in Human Hippocampus After Global Ischemia. <i>Brain Pathology</i> , 2001, 11, 414-421.	2.1	60
14	MRI is a sensitive marker of subtle white matter pathology in hypoperfused mice. <i>Neurobiology of Aging</i> , 2011, 32, 2325.e1-2325.e6.	1.5	51
15	Minimal ischaemic neuronal damage and HSP70 expression in MF1 strain mice following bilateral common carotid artery occlusion. <i>Brain Research</i> , 2001, 914, 185-195.	1.1	46
16	Dimethyl fumarate improves white matter function following severe hypoperfusion: Involvement of microglia/macrophages and inflammatory mediators. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1354-1370.	2.4	46
17	Effects of environmental enrichment on white matter glial responses in a mouse model of chronic cerebral hypoperfusion. <i>Journal of Neuroinflammation</i> , 2017, 14, 81.	3.1	44
18	Minocycline reduces microgliosis and improves subcortical white matter function in a model of cerebral vascular disease. <i>Glia</i> , 2018, 66, 34-46.	2.5	40

#	ARTICLE	IF	CITATIONS
19	Proteomic Analysis of Mitochondria in <i>APOE</i> Transgenic Mice and in Response to an Ischemic Challenge. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 164-176.	2.4	37
20	Long-term cilostazol treatment reduces gliovascular damage and memory impairment in a mouse model of chronic cerebral hypoperfusion. <i>Scientific Reports</i> , 2017, 7, 4299.	1.6	35
21	Restoration of Oligodendrocyte Pools in a Mouse Model of Chronic Cerebral Hypoperfusion. <i>PLoS ONE</i> , 2014, 9, e87227.	1.1	35
22	Autoradiographic Imaging of [³ H]Phorbol 12,13-Dibutyrate Binding to Protein Kinase C in Alzheimer's Disease. <i>Journal of Neurochemistry</i> , 1991, 56, 1121-1129.	2.1	32
23	Astrocyte-specific overexpression of Nrf2 protects against optic tract damage and behavioural alterations in a mouse model of cerebral hypoperfusion. <i>Scientific Reports</i> , 2018, 8, 12552.	1.6	30
24	Deficiency of Nrf2 exacerbates white matter damage and microglia/macrophage levels in a mouse model of vascular cognitive impairment. <i>Journal of Neuroinflammation</i> , 2020, 17, 367.	3.1	28
25	Chronic cerebral hypoperfusion alters amyloid- β peptide pools leading to cerebral amyloid angiopathy, microinfarcts and haemorrhages in Tg-SwDI mice. <i>Clinical Science</i> , 2017, 131, 2109-2123.	1.8	27
26	Small vessel disease pathological changes in neurodegenerative and vascular dementias concomitant with autonomic dysfunction. <i>Brain Pathology</i> , 2020, 30, 191-202.	2.1	27
27	The effects of environmental enrichment on white matter pathology in a mouse model of chronic cerebral hypoperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 151-165.	2.4	25
28	Impact of Age on the Cerebrovascular Proteomes of Wild-Type and Tg-SwDI Mice. <i>PLoS ONE</i> , 2014, 9, e89970.	1.1	19
29	<i>APOE</i> ϵ 3 Gene Transfer Attenuates Brain Damage after Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 477-487.	2.4	15
30	Axon-glial disruption: the link between vascular disease and Alzheimer's disease?. <i>Biochemical Society Transactions</i> , 2011, 39, 881-885.	1.6	15
31	Impaired Glymphatic Function and Pulsation Alterations in a Mouse Model of Vascular Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 788519.	1.7	15
32	Global proteomic analysis of extracellular matrix in mouse and human brain highlights relevance to cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2423-2438.	2.4	14
33	Hypertension Fails to Disrupt White Matter Integrity in Young Or Aged Fisher (F44) <i>Cyp1a1Ren2</i> Transgenic Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 188-192.	2.4	10
34	Controlled hypertension induces cerebrovascular and gene alterations in <i>Cyp1a1-Ren2</i> transgenic rats. <i>Journal of the American Society of Hypertension</i> , 2013, 7, 411-419.	2.3	7
35	Alterations of functional glucose use and ligand binding to second messenger systems following unilateral orbital enucleation. <i>Brain Research</i> , 1991, 549, 317-321.	1.1	6
36	Intracortical Glutamate Perfusion in Vivo Induces Cellular Alterations in Specific Protein Kinase C Isoforms and Amyloid Precursor Protein. <i>Experimental Neurology</i> , 1997, 143, 207-218.	2.0	6

#	ARTICLE	IF	CITATIONS
37	White matter tract and glial-associated changes in 5-hydroxymethylcytosine following chronic cerebral hypoperfusion. <i>Brain Research</i> , 2014, 1592, 82-100.	1.1	6
38	Differential perivascular microglial activation in the deep white matter in vascular dementia developed post-stroke. <i>Brain Pathology</i> , 0, , .	2.1	6
39	Nox2 underpins microvascular inflammation and vascular contributions to cognitive decline. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1176-1191.	2.4	5
40	Apolipoprotein E influences neuronal death and repair. <i>International Congress Series</i> , 2003, 1252, 171-178.	0.2	4
41	UK consensus on pre-clinical vascular cognitive impairment functional outcomes assessment: Questionnaire and workshop proceedings. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1402-1414.	2.4	4