

Brad A Sutherland

List of Publications by Citations

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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.

50
papers

2,717
citations

20
h-index

52
g-index

55
ext. papers

3,257
ext. citations

6.8
avg, IF

4.98
L-index

#	Paper	IF	Citations
50	Capillary pericytes regulate cerebral blood flow in health and disease. <i>Nature</i> , 2014 , 508, 55-60	50.4	1083
49	Mechanisms of action of green tea catechins, with a focus on ischemia-induced neurodegeneration. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 291-306	6.3	227
48	Neuroprotection for ischaemic stroke: translation from the bench to the bedside. <i>International Journal of Stroke</i> , 2012 , 7, 407-18	6.3	192
47	Neuroprotection for stroke: current status and future perspectives. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 11753-72	6.3	141
46	Pericytes and Neurovascular Function in the Healthy and Diseased Brain. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 282	6.1	117
45	Neuroprotective effects of (-)-epigallocatechin gallate following hypoxia-ischemia-induced brain damage: novel mechanisms of action. <i>FASEB Journal</i> , 2005 , 19, 258-60	0.9	109
44	Cerebral hypoxia-ischemia and middle cerebral artery occlusion induce expression of the cannabinoid CB2 receptor in the brain. <i>Neuroscience Letters</i> , 2007 , 412, 114-7	3.3	107
43	A systematic review and meta-analysis of randomized controlled trials of endovascular thrombectomy compared with best medical treatment for acute ischemic stroke. <i>International Journal of Stroke</i> , 2015 , 10, 1168-78	6.3	75
42	The IMPROVE Guidelines (Ischaemia Models: Procedural Refinements Of in Vivo Experiments). <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3488-3517	7.3	74
41	The exact science of stroke thrombolysis and the quiet art of patient selection. <i>Brain</i> , 2013 , 136, 3528-5311.2	11.2	56
40	Importance of preclinical research in the development of neuroprotective strategies for ischemic stroke. <i>JAMA Neurology</i> , 2014 , 71, 634-9	17.2	47
39	The transient intraluminal filament middle cerebral artery occlusion model as a model of endovascular thrombectomy in stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 363-9	7.3	46
38	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. <i>Journal of Neuroscience</i> , 2017 , 37, 2403-2414	6.6	40
37	Cerebral blood flow alteration in neuroprotection following cerebral ischaemia. <i>Journal of Physiology</i> , 2011 , 589, 4105-14	3.9	37
36	Complications associated with recombinant tissue plasminogen activator therapy for acute ischaemic stroke. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013 , 12, 155-69	2.6	36
35	The contribution of L-arginine to the neurotoxicity of recombinant tissue plasminogen activator following cerebral ischemia: a review of rtPA neurotoxicity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1804-16	7.3	33
34	Novel method to study pericyte contractility and responses to ischaemia in vitro using electrical impedance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 2013-2024	7.3	29

33	Cerebral heme oxygenase 1 and 2 spatial distribution is modulated following injury from hypoxia-ischemia and middle cerebral artery occlusion in rats. <i>Neuroscience Research</i> , 2009 , 65, 326-34	2.9	26
32	Differential effects of paracrine factors on the survival of cells of the neurovascular unit during oxygen glucose deprivation. <i>International Journal of Stroke</i> , 2015 , 10, 407-14	6.3	23
31	Thrombolytic agents for acute ischaemic stroke treatment: the past, present and future. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013 , 12, 145-54	2.6	23
30	Melatonin treatment following stroke induction modulates L-arginine metabolism. <i>Journal of Pineal Research</i> , 2011 , 51, 313-23	10.4	20
29	Laser Doppler flowmetry to measure changes in cerebral blood flow. <i>Methods in Molecular Biology</i> , 2014 , 1135, 237-48	1.4	19
28	Rapamycin in ischemic stroke: Old drug, new tricks?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 20-35	7.3	19
27	The role of the endoplasmic reticulum stress response following cerebral ischemia. <i>International Journal of Stroke</i> , 2018 , 13, 379-390	6.3	19
26	Alteplase treatment does not increase brain injury after mechanical middle cerebral artery occlusion in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, e1-7	7.3	17
25	The role of antioxidants in models of inflammation: emphasis on L-arginine and arachidonic acid metabolism. <i>Inflammopharmacology</i> , 2005 , 12, 505-19	5.1	14
24	The effect of rapamycin treatment on cerebral ischemia: A systematic review and meta-analysis of animal model studies. <i>International Journal of Stroke</i> , 2019 , 14, 137-145	6.3	12
23	Inhalation gases or gaseous mediators as neuroprotectants for cerebral ischaemia. <i>Current Drug Targets</i> , 2013 , 14, 56-73	3	11
22	Applications of Nanotechnology in the Diagnosis and Therapy of Stroke. <i>Seminars in Thrombosis and Hemostasis</i> , 2020 , 46, 592-605	5.3	11
21	Multi-modal assessment of neurovascular coupling during cerebral ischaemia and reperfusion using remote middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 2494-2508	7.3	7
20	Tin protoporphyrin provides protection following cerebral hypoxia-ischemia: involvement of alternative pathways. <i>Journal of Neuroscience Research</i> , 2011 , 89, 1284-94	4.4	7
19	Characterization of a rat hypoxia-ischemia model where duration of hypoxia is determined by seizure activity. <i>Journal of Neuroscience Methods</i> , 2011 , 197, 92-6	3	6
18	Harnessing the stem cell properties of pericytes to repair the brain. <i>Neural Regeneration Research</i> , 2020 , 15, 1021-1022	4.5	6
17	Study of common quantification methods of amide proton transfer magnetic resonance imaging for ischemic stroke detection. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 2188-2200	4.4	6
16	Investigation of the novel mTOR inhibitor AZD2014 in neuronal ischemia. <i>Neuroscience Letters</i> , 2019 , 706, 223-230	3.3	4

15	Transcranial contrast-enhanced ultrasound in the rat brain reveals substantial hyperperfusion acutely post-stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 939-953	7.3	4
14	Metabolic-vascular coupling in skeletal muscle: A potential role for capillary pericytes?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020 , 47, 520-528	3	4
13	Targeting Pericytes and the Microcirculation for Ischemic Stroke Therapy. <i>Springer Series in Translational Stroke Research</i> , 2017 , 537-556	0.1	3
12	The rise of pericytes in neurovascular research. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 2366-2373	7.3	3
11	Growth Differentiation Factor-11 Causes Neurotoxicity During Ischemia. <i>Frontiers in Neurology</i> , 2020 , 11, 1023	4.1	2
10	The life of Bo K. Siesjö MD, PhD, 1930-2013. <i>International Journal of Stroke</i> , 2014 , 9, 2-4	6.3	1
9	Differences in fatigue-like behavior in the lipopolysaccharide and poly I:C inflammatory animal models. <i>Physiology and Behavior</i> , 2021 , 232, 113347	3.5	0
8	The Complex and Integral Roles of Pericytes Within the Neurovascular Unit in Health and Disease. <i>Pancreatic Islet Biology</i> , 2021 , 39-74	0.4	0
7	What has preclinical systematic review ever done for us?. <i>BMJ Open Science</i> , 2022 , 6, e100219	4.6	0
6	Reply: Intravenous thrombolysis for ischaemic strokes: a call for reappraisal. <i>Brain</i> , 2015 , 138, e342	11.2	
5	The future of stroke therapy must not be mired by past arguments. <i>Lancet, The</i> , 2015 , 386, 654	4.0	
4	Reply: Thrombolysis in acute ischaemic stroke. <i>Brain</i> , 2014 , 137, e282	11.2	
3	Magnetic Resonance pH Imaging in Stroke - Combining the Old With the New.. <i>Frontiers in Physiology</i> , 2021 , 12, 793741	4.6	
2	Commentary: Rapalink-1 Increased Infarct Size in Early Cerebral Ischemia-Reperfusion With Increased Blood-Brain Barrier Disruption. <i>Frontiers in Physiology</i> , 2021 , 12, 761556	4.6	
1	Pharmacological PDGFR inhibitors imatinib and sunitinib cause human brain pericyte death in vitro.. <i>Toxicology and Applied Pharmacology</i> , 2022 , 116025	4.6	