Brad A Sutherland

List of Publications by Year in Descending Order

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	What has preclinical systematic review ever done for us?. *BMJ Open Science*, **2022**, 6, e100219	4.6	0
49	Pharmacological PDGFRinhibitors imatinib and sunitinib cause human brain pericyte death in vitro.. *Toxicology and Applied Pharmacology*, **2022**, 116025	4.6	
48	Magnetic Resonance pH Imaging in Stroke - Combining the Old With the New.. *Frontiers in Physiology*, **2021**, 12, 793741	4.6	
47	Differences in fatigue-like behavior in the lipopolysaccharide and poly I:C inflammatory animal models. *Physiology and Behavior*, **2021**, 232, 113347	3.5	0
46	Study of common quantification methods of amide proton transfer magnetic resonance imaging for ischemic stroke detection. *Magnetic Resonance in Medicine*, **2021**, 85, 2188-2200	4.4	6
45	The Complex and Integral Roles of Pericytes Within the Neurovascular Unit in Health and Disease. *Pancreatic Islet Biology*, **2021**, 39-74	0.4	0
44	Commentary: Rapalink-1 Increased Infarct Size in Early Cerebral Ischemia-Reperfusion With Increased Blood-Brain Barrier Disruption. *Frontiers in Physiology*, **2021**, 12, 761556	4.6	
43	Transcranial contrast-enhanced ultrasound in the rat brain reveals substantial hyperperfusion acutely post-stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2020**, 40, 939-953	7.3	4
42	Harnessing the stem cell properties of pericytes to repair the brain. *Neural Regeneration Research*, **2020**, 15, 1021-1022	4.5	6
41	Metabolic-vascular coupling in skeletal muscle: A potential role for capillary pericytes?. *Clinical and Experimental Pharmacology and Physiology*, **2020**, 47, 520-528	3	4
40	Applications of Nanotechnology in the Diagnosis and Therapy of Stroke. *Seminars in Thrombosis and Hemostasis*, **2020**, 46, 592-605	5.3	11
39	Growth Differentiation Factor-11 Causes Neurotoxicity During Ischemia. *Frontiers in Neurology*, **2020**, 11, 1023	4.1	2
38	The rise of pericytes in neurovascular research. *Journal of Cerebral Blood Flow and Metabolism*, **2020**, 40, 2366-2373	7.3	3
37	Investigation of the novel mTOR inhibitor AZD2014 in neuronal ischemia. *Neuroscience Letters*, **2019**, 706, 223-230	3.3	4
36	Pericytes and Neurovascular Function in the Healthy and Diseased Brain. *Frontiers in Cellular Neuroscience*, **2019**, 13, 282	6.1	117
35	Rapamycin in ischemic stroke: Old drug, new tricks?. *Journal of Cerebral Blood Flow and Metabolism*, **2019**, 39, 20-35	7.3	19
34	The effect of rapamycin treatment on cerebral ischemia: A systematic review and meta-analysis of animal model studies. *International Journal of Stroke*, **2019**, 14, 137-145	6.3	12

33	The role of the endoplasmic reticulum stress response following cerebral ischemia. *International Journal of Stroke*, **2018**, 13, 379-390	6.3	19
32	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. *Journal of Neuroscience*, **2017**, 37, 2403-2414	6.6	40
31	The IMPROVE Guidelines (Ischaemia Models: Procedural Refinements Of in Vivo Experiments). *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 3488-3517	7.3	74
30	Novel method to study pericyte contractility and responses to ischaemia in vitro using electrical impedance. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 2013-2024	7.3	29
29	Multi-modal assessment of neurovascular coupling during cerebral ischaemia and reperfusion using remote middle cerebral artery occlusion. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 2494-2508	7.3	7
28	Targeting Pericytes and the Microcirculation for Ischemic Stroke Therapy. *Springer Series in Translational Stroke Research*, **2017**, 537-556	0.1	3
27	The transient intraluminal filament middle cerebral artery occlusion model as a model of endovascular thrombectomy in stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 363-9	7.3	46
26	Reply: Intravenous thrombolysis for ischaemic strokes: a call for reappraisal. *Brain*, **2015**, 138, e342	11.2	
25	Differential effects of paracrine factors on the survival of cells of the neurovascular unit during oxygen glucose deprivation. *International Journal of Stroke*, **2015**, 10, 407-14	6.3	23
24	The future of stroke therapy must not be mired by past arguments. *Lancet, The*, **2015**, 386, 654	40	
23	A systematic review and meta-analysis of randomized controlled trials of endovascular thrombectomy compared with best medical treatment for acute ischemic stroke. *International Journal of Stroke*, **2015**, 10, 1168-78	6.3	75
22	Capillary pericytes regulate cerebral blood flow in health and disease. *Nature*, **2014**, 508, 55-60	50.4	1083
21	The life of Bo K. Siesj MD, PhD, 1930-2013. *International Journal of Stroke*, **2014**, 9, 2-4	6.3	1
20	Reply: Thrombolysis in acute ischaemic stroke. *Brain*, **2014**, 137, e282	11.2	
19	Importance of preclinical research in the development of neuroprotective strategies for ischemic stroke. *JAMA Neurology*, **2014**, 71, 634-9	17.2	47
18	Laser Doppler flowmetry to measure changes in cerebral blood flow. *Methods in Molecular Biology*, **2014**, 1135, 237-48	1.4	19
17	The exact science of stroke thrombolysis and the quiet art of patient selection. *Brain*, **2013**, 136, 3528-53	11.2	56
16	Alteplase treatment does not increase brain injury after mechanical middle cerebral artery occlusion in the rat. *Journal of Cerebral Blood Flow and Metabolism*, **2013**, 33, e1-7	7.3	17

15	Inhalation gases or gaseous mediators as neuroprotectants for cerebral ischaemia. *Current Drug Targets*, **2013**, 14, 56-73	3	11
14	Complications associated with recombinant tissue plasminogen activator therapy for acute ischaemic stroke. *CNS and Neurological Disorders - Drug Targets*, **2013**, 12, 155-69	2.6	36
13	Thrombolytic agents for acute ischaemic stroke treatment: the past, present and future. *CNS and Neurological Disorders - Drug Targets*, **2013**, 12, 145-54	2.6	23
12	Neuroprotection for ischaemic stroke: translation from the bench to the bedside. *International Journal of Stroke*, **2012**, 7, 407-18	6.3	192
11	Neuroprotection for stroke: current status and future perspectives. *International Journal of Molecular Sciences*, **2012**, 13, 11753-72	6.3	141
10	Melatonin treatment following stroke induction modulates L-arginine metabolism. *Journal of Pineal Research*, **2011**, 51, 313-23	10.4	20
9	Cerebral blood flow alteration in neuroprotection following cerebral ischaemia. *Journal of Physiology*, **2011**, 589, 4105-14	3.9	37
8	Tin protoporphyrin provides protection following cerebral hypoxia-ischemia: involvement of alternative pathways. *Journal of Neuroscience Research*, **2011**, 89, 1284-94	4.4	7
7	Characterization of a rat hypoxia-ischemia model where duration of hypoxia is determined by seizure activity. *Journal of Neuroscience Methods*, **2011**, 197, 92-6	3	6
6	The contribution of L-arginine to the neurotoxicity of recombinant tissue plasminogen activator following cerebral ischemia: a review of rtPA neurotoxicity. *Journal of Cerebral Blood Flow and Metabolism*, **2010**, 30, 1804-16	7.3	33
5	Cerebral heme oxygenase 1 and 2 spatial distribution is modulated following injury from hypoxia-ischemia and middle cerebral artery occlusion in rats. *Neuroscience Research*, **2009**, 65, 326-34	2.9	26
4	Cerebral hypoxia-ischemia and middle cerebral artery occlusion induce expression of the cannabinoid CB2 receptor in the brain. *Neuroscience Letters*, **2007**, 412, 114-7	3.3	107
3	Mechanisms of action of green tea catechins, with a focus on ischemia-induced neurodegeneration. *Journal of Nutritional Biochemistry*, **2006**, 17, 291-306	6.3	227
2	The role of antioxidants in models of inflammation: emphasis on L-arginine and arachidonic acid metabolism. *Inflammopharmacology*, **2005**, 12, 505-19	5.1	14
1	Neuroprotective effects of (-)-epigallocatechin gallate following hypoxia-ischemia-induced brain damage: novel mechanisms of action. *FASEB Journal*, **2005**, 19, 258-60	0.9	109