

# Alastair M Buchan

## List of Publications by Citations

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265  
papers

29,933  
citations

78  
h-index

171  
g-index

282  
ext. papers

33,540<sup>o</sup>  
ext. citations

7.9  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
265	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
264	Stenting versus endarterectomy for treatment of carotid-artery stenosis. <i>New England Journal of Medicine</i> , <b>2010</b> , 363, 11-23	59.2	2055
263	Glial and neuronal control of brain blood flow. <i>Nature</i> , <b>2010</b> , 468, 232-43	50.4	1571
262	Validity and reliability of a quantitative computed tomography score in predicting outcome of hyperacute stroke before thrombolytic therapy. ASPECTS Study Group. Alberta Stroke Programme Early CT Score. <i>Lancet, The</i> , <b>2000</b> , 355, 1670-4	40	1563
261	Time to treatment with intravenous alteplase and outcome in stroke: an updated pooled analysis of ECASS, ATLANTIS, NINDS, and EPITHET trials. <i>Lancet, The</i> , <b>2010</b> , 375, 1695-703	40	1542
260	Capillary pericytes regulate cerebral blood flow in health and disease. <i>Nature</i> , <b>2014</b> , 508, 55-60	50.4	1083
259	The benefits and harms of intravenous thrombolysis with recombinant tissue plasminogen activator within 6 h of acute ischaemic stroke (the third international stroke trial [IST-3]): a randomised controlled trial. <i>Lancet, The</i> , <b>2012</b> , 379, 2352-63	40	841
258	Combined intravenous and intra-arterial recanalization for acute ischemic stroke: the Interventional Management of Stroke Study. <i>Stroke</i> , <b>2004</b> , 35, 904-11	6.7	576
257	The Interventional Management of Stroke (IMS) II Study. <i>Stroke</i> , <b>2007</b> , 38, 2127-35	6.7	523
256	Global ischemia can cause DNA fragmentation indicative of apoptosis in rat brain. <i>Neuroscience Letters</i> , <b>1993</b> , 164, 89-92	3.3	449
255	Fast assessment of stroke and transient ischaemic attack to prevent early recurrence (FASTER): a randomised controlled pilot trial. <i>Lancet Neurology, The</i> , <b>2007</b> , 6, 961-9	24.1	408
254	Good clinical outcome after ischemic stroke with successful revascularization is time-dependent. <i>Neurology</i> , <b>2009</b> , 73, 1066-72	6.5	386
253	Acute Stroke Therapy by Inhibition of Neutrophils (ASTIN): an adaptive dose-response study of UK-279,276 in acute ischemic stroke. <i>Stroke</i> , <b>2003</b> , 34, 2543-8	6.7	346
252	Effectiveness of thigh-length graduated compression stockings to reduce the risk of deep vein thrombosis after stroke (CLOTS trial 1): a multicentre, randomised controlled trial. <i>Lancet, The</i> , <b>2009</b> , 373, 1958-65	40	340
251	Thrombolysis for acute ischemic stroke: results of the Canadian Alteplase for Stroke Effectiveness Study. <i>Cmaj</i> , <b>2005</b> , 172, 1307-12	3.5	335
250	Markers of increased risk of intracerebral hemorrhage after intravenous recombinant tissue plasminogen activator therapy for acute ischemic stroke in clinical practice: the Multicenter rt-PA Stroke Survey. <i>Circulation</i> , <b>2002</b> , 105, 1679-85	16.7	334
249	Serum glucose level and diabetes predict tissue plasminogen activator-related intracerebral hemorrhage in acute ischemic stroke. <i>Stroke</i> , <b>1999</b> , 30, 34-9	6.7	322

248	Complications of intracerebral haemorrhage. <i>Lancet Neurology, The</i> , <b>2012</b> , 11, 101-18	24.1	286
247	Imaging of acute stroke. <i>Lancet Neurology, The</i> , <b>2006</b> , 5, 755-68	24.1	269
246	A randomized study of the influence of perfusion technique and pH management strategy in 316 patients undergoing coronary artery bypass surgery. II. Neurologic and cognitive outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1995</b> , 110, 349-62	1.5	263
245	Mechanisms of hemorrhagic transformation after tissue plasminogen activator reperfusion therapy for ischemic stroke. <i>Stroke</i> , <b>2004</b> , 35, 2726-30	6.7	255
244	Blockade of the AMPA receptor prevents CA1 hippocampal injury following severe but transient forebrain ischemia in adult rats. <i>Neuroscience Letters</i> , <b>1991</b> , 132, 255-8	3.3	239
243	Reprint: Good laboratory practice: preventing introduction of bias at the bench. <i>Stroke</i> , <b>2009</b> , 29, 221-3	6.7	236
242	Selection of acute ischemic stroke patients for intra-arterial thrombolysis with pro-urokinase by using ASPECTS. <i>Stroke</i> , <b>2003</b> , 34, 1925-31	6.7	235
241	The four-vessel occlusion rat model: method for complete occlusion of vertebral arteries and control of collateral circulation. <i>Stroke</i> , <b>1988</b> , 19, 913-4	6.7	210
240	A new model of temporary focal neocortical ischemia in the rat. <i>Stroke</i> , <b>1992</b> , 23, 273-9	6.7	207
239	The neurotoxicity of tissue plasminogen activator?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2004</b> , 24, 945-63	7.3	205
238	Triaging transient ischemic attack and minor stroke patients using acute magnetic resonance imaging. <i>Annals of Neurology</i> , <b>2005</b> , 57, 848-54	9.4	199
237	Indefatigable CA1 sector neuroprotection with mild hypothermia induced 6 hours after severe forebrain ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1999</b> , 19, 742-9	7.3	195
236	Neuroprotection for ischaemic stroke: translation from the bench to the bedside. <i>International Journal of Stroke</i> , <b>2012</b> , 7, 407-18	6.3	192
235	Prolonged but delayed postischemic hypothermia: a long-term outcome study in the rat middle cerebral artery occlusion model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2000</b> , 20, 1702-8	7.3	191
234	DNA damage consistent with apoptosis in transient focal ischaemic neocortex. <i>NeuroReport</i> , <b>1994</b> , 5, 493-6	1.7	180
233	Early risk of stroke after a transient ischemic attack in patients with internal carotid artery disease. <i>Cmaj</i> , <b>2004</b> , 170, 1105-9	3.5	175
232	Tsc1 (hamartin) confers neuroprotection against ischemia by inducing autophagy. <i>Nature Medicine</i> , <b>2013</b> , 19, 351-7	50.5	169
231	Biphasic opening of the blood-brain barrier following transient focal ischemia: effects of hypothermia. <i>Canadian Journal of Neurological Sciences</i> , <b>1999</b> , 26, 298-304	1	167

230	Ischemic stroke in the elderly: an overview of evidence. <i>Nature Reviews Neurology</i> , <b>2010</b> , 6, 256-65	15	161
229	Statins are associated with better outcomes after carotid endarterectomy in symptomatic patients. <i>Stroke</i> , <b>2005</b> , 36, 2072-6	6.7	161
228	Continuing postischemic neuronal death in CA1: influence of ischemia duration and cytoprotective doses of NBQX and SNX-111 in rats. <i>Stroke</i> , <b>1999</b> , 30, 662-8	6.7	161
227	Immediate or delayed mild hypothermia prevents focal cerebral infarction. <i>Brain Research</i> , <b>1992</b> , 587, 66-72	3.7	159
226	The rise and fall of NMDA antagonists for ischemic stroke. <i>Current Molecular Medicine</i> , <b>2004</b> , 4, 131-6	2.5	158
225	Emergency administration of abciximab for treatment of patients with acute ischemic stroke: results of a randomized phase 2 trial. <i>Stroke</i> , <b>2005</b> , 36, 880-90	6.7	154
224	Delayed treatment with AMPA, but not NMDA, antagonists reduces neocortical infarction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 251-61	7.3	153
223	ASPECTS on CTA source images versus unenhanced CT: added value in predicting final infarct extent and clinical outcome. <i>Stroke</i> , <b>2004</b> , 35, 2472-6	6.7	148
222	Why do women choose or reject careers in academic medicine? A narrative review of empirical evidence. <i>Lancet, The</i> , <b>2016</b> , 388, 2948-2958	40	146
221	Neurological complications of acute ischaemic stroke. <i>Lancet Neurology, The</i> , <b>2011</b> , 10, 357-71	24.1	145
220	Admission hyperglycemia predicts a worse outcome in stroke patients treated with intravenous thrombolysis. <i>Diabetes Care</i> , <b>2009</b> , 32, 617-22	14.6	143
219	Neuroprotection for stroke: current status and future perspectives. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 11753-72	6.3	141
218	Tirilazad reduces cortical infarction after transient but not permanent focal cerebral ischemia in rats. <i>Stroke</i> , <b>1992</b> , 23, 894-9	6.7	141
217	Treatment with an AMPA antagonist 12 hours following severe normothermic forebrain ischemia prevents CA1 neuronal injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 933-9	7.3	139
216	Asymptomatic hemorrhage after thrombolysis may not be benign: prognosis by hemorrhage type in the Canadian alteplase for stroke effectiveness study registry. <i>Stroke</i> , <b>2007</b> , 38, 75-9	6.7	135
215	Recent advances in management of transient ischaemic attacks and minor ischaemic strokes. <i>Lancet Neurology, The</i> , <b>2006</b> , 5, 323-31	24.1	132
214	Hyperdense sylvian fissure MCA "dot" sign: A CT marker of acute ischemia. <i>Stroke</i> , <b>2001</b> , 32, 84-8	6.7	131
213	The effect of the NMDA receptor antagonist MK-801 on cerebral blood flow and infarct volume in experimental focal stroke. <i>Brain Research</i> , <b>1992</b> , 574, 171-7	3.7	129

212	Caspase inhibitors reduce neuronal injury after focal but not global cerebral ischemia in rats. <i>Stroke</i> , <b>2000</b> , 31, 176-82	6.7	127
211	A selective N-type Ca(2+)-channel blocker prevents CA1 injury 24 h following severe forebrain ischemia and reduces infarction following focal ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 903-10	7.3	127
210	Delayed AMPA receptor blockade reduces cerebral infarction induced by focal ischemia. <i>NeuroReport</i> , <b>1991</b> , 2, 473-6	1.7	126
209	Thrombolysis in patients older than 80 years with acute ischaemic stroke: Canadian Alteplase for Stroke Effectiveness Study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2006</b> , 77, 826-9	5.5	124
208	Apoptosis after experimental stroke: fact or fashion?. <i>Journal of Neurotrauma</i> , <b>2000</b> , 17, 899-914	5.4	124
207	Structural and functional restoration by collateral sprouting of hippocampal 5-HT axons. <i>Nature</i> , <b>1978</b> , 274, 374-6	50.4	122
206	The ALIAS Pilot Trial: a dose-escalation and safety study of albumin therapy for acute ischemic stroke--I: Physiological responses and safety results. <i>Stroke</i> , <b>2006</b> , 37, 2100-6	6.7	121
205	Neuroprotection in stroke: the importance of collaboration and reproducibility. <i>Brain</i> , <b>2017</b> , 140, 2079-2092	6.7	110
204	Differences in DNA fragmentation following transient cerebral or decapitation ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 728-37	7.3	110
203	The ALIAS Pilot Trial: a dose-escalation and safety study of albumin therapy for acute ischemic stroke--II: neurologic outcome and efficacy analysis. <i>Stroke</i> , <b>2006</b> , 37, 2107-14	6.7	107
202	Complications of endovascular treatment for acute ischemic stroke: Prevention and management. <i>International Journal of Stroke</i> , <b>2018</b> , 13, 348-361	6.3	107
201	e-ASPECTS software is non-inferior to neuroradiologists in applying the ASPECT score to computed tomography scans of acute ischemic stroke patients. <i>International Journal of Stroke</i> , <b>2017</b> , 12, 615-622	6.3	104
200	An improved scoring system for identifying patients at high early risk of stroke and functional impairment after an acute transient ischemic attack or minor stroke. <i>International Journal of Stroke</i> , <b>2008</b> , 3, 3-10	6.3	100
199	Stroke: working toward a prioritized world agenda. <i>Stroke</i> , <b>2010</b> , 41, 1084-99	6.7	98
198	Effects of NXY-059 in experimental stroke: an individual animal meta-analysis. <i>British Journal of Pharmacology</i> , <b>2009</b> , 157, 1157-71	8.6	96
197	Hypothermia rescues hippocampal CA1 neurons and attenuates down-regulation of the AMPA receptor GluR2 subunit after forebrain ischemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 2906-10	11.5	96
196	Lack of effect of aspirin in asymptomatic patients with carotid bruits and substantial carotid narrowing. The Asymptomatic Cervical Bruit Study Group. <i>Annals of Internal Medicine</i> , <b>1995</b> , 123, 649-55 <sup>8</sup>		94
195	NXY-059, a novel free radical trapping compound, reduces cortical infarction after permanent focal cerebral ischemia in the rat. <i>Brain Research</i> , <b>2001</b> , 909, 46-50	3.7	89

194	Reliability of assessing percentage of diffusion-perfusion mismatch. <i>Stroke</i> , <b>2003</b> , 34, 1681-3	6.7	87
193	Biology of ischemic cerebral cell death. <i>Progress in Cardiovascular Diseases</i> , <b>1999</b> , 42, 185-207	8.5	86
192	Intraluminal thrombus in the cerebral circulation. Implications for surgical management. <i>Stroke</i> , <b>1988</b> , 19, 681-7	6.7	86
191	Neuroprotection by dimethylxalylglycine following permanent and transient focal cerebral ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 132-43	7.3	80
190	Diabetes, leukoencephalopathy and rage. <i>Neurobiology of Disease</i> , <b>2006</b> , 23, 445-61	7.5	79
189	MR molecular imaging of early endothelial activation in focal ischemia. <i>Annals of Neurology</i> , <b>2004</b> , 56, 116-20	9.4	79
188	Lost in translation: taking neuroprotection from animal models to clinical trials. <i>Experimental Neurology</i> , <b>2004</b> , 188, 200-4	5.7	79
187	Thrombolysis at 3-4.5 hours after acute ischemic stroke onset--evidence from the Canadian Alteplase for Stroke Effectiveness Study (CASES) registry. <i>Cerebrovascular Diseases</i> , <b>2011</b> , 31, 223-8	3.2	77
186	Closing the gender leadership gap: a multi-centre cross-country comparison of women in management and leadership in academic health centres in the European Union. <i>Human Resources for Health</i> , <b>2017</b> , 15, 2	4.6	76
185	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> , <b>2015</b> , 10, 1168-78	6.3	75
184	Acute intravenous--intra-arterial revascularization therapy for severe ischemic stroke. <i>Stroke</i> , <b>2002</b> , 33, 279-82	6.7	75
183	Acute corticospinal tract Wallerian degeneration is associated with stroke outcome. <i>Stroke</i> , <b>2010</b> , 41, 751-6	6.7	74
182	Sex-based differences in the effect of intra-arterial treatment of stroke: analysis of the PROACT-2 study. <i>Stroke</i> , <b>2006</b> , 37, 2322-5	6.7	73
181	Temperature-regulated model of focal ischemia in the mouse: a study with histopathological and behavioral outcomes. <i>Stroke</i> , <b>2004</b> , 35, 1720-5	6.7	73
180	Therapeutic manipulation of the HIF hydroxylases. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 12, 481-501	8.4	71
179	Septal elicitation of hippocampal theta rhythm after localized de-afferentation of serotonergic fibers. <i>Brain Research</i> , <b>1980</b> , 200, 259-69	3.7	71
178	Robust research: Institutions must do their part for reproducibility. <i>Nature</i> , <b>2015</b> , 525, 25-7	50.4	69
177	Interobserver variation of ASPECTS in real time. <i>Stroke</i> , <b>2004</b> , 35, e103-5	6.7	68

176	Leukoaraiosis, intracerebral hemorrhage, and functional outcome after acute stroke thrombolysis. <i>Neurology</i> , <b>2017</b> , 88, 638-645	6.5	66
175	Molecular magnetic resonance imaging of acute vascular cell adhesion molecule-1 expression in a mouse model of cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2010</b> , 30, 1178-87	7.3	63
174	A global call for action to include gender in research impact assessment. <i>Health Research Policy and Systems</i> , <b>2016</b> , 14, 50	3.7	62
173	Dehydroepiandrosterone (DHEA) reduces neuronal injury in a rat model of global cerebral ischemia. <i>Brain Research</i> , <b>2001</b> , 888, 263-266	3.7	60
172	The gender effect in stroke thrombolysis: of CASES, controls, and treatment-effect modification. <i>Neurology</i> , <b>2008</b> , 71, 1080-3	6.5	57
171	The exact science of stroke thrombolysis and the quiet art of patient selection. <i>Brain</i> , <b>2013</b> , 136, 3528-531.2	11.2	56
170	Septo-hippocampal deafferentation protects CA1 neurons against ischemic injury. <i>Brain Research</i> , <b>1990</b> , 512, 7-14	3.7	54
169	Tissue plasminogen activator does not increase neuronal damage in rat models of global and focal ischemia. <i>Neurology</i> , <b>1999</b> , 52, 1381-4	6.5	52
168	Reprint: Good Laboratory Practice: Preventing Introduction of Bias at the Bench. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 221-223	7.3	50
167	How well does ASPECTS predict the outcome of acute stroke treated with IV tPA?. <i>Neurology</i> , <b>2006</b> , 67, 516-8	6.5	50
166	Animal models. <i>British Medical Bulletin</i> , <b>2000</b> , 56, 307-17	5.4	48
165	Importance of preclinical research in the development of neuroprotective strategies for ischemic stroke. <i>JAMA Neurology</i> , <b>2014</b> , 71, 634-9	17.2	47
164	Outcomes of thrombolysis for acute ischemic stroke in octogenarians versus nonagenarians. <i>Stroke</i> , <b>2010</b> , 41, 1833-5	6.7	47
163	Identification of calcium channels involved in neuronal injury in rat hippocampal slices subjected to oxygen and glucose deprivation. <i>Brain Research</i> , <b>1997</b> , 753, 209-18	3.7	47
162	Early T1- and T2-weighted MRI signatures of transient and permanent middle cerebral artery occlusion in a murine stroke model studied at 9.4T. <i>Neuroscience Letters</i> , <b>2005</b> , 388, 54-9	3.3	47
161	An early loss in membrane protein kinase C activity precedes the excitatory amino acid-induced death of primary cortical neurons. <i>Journal of Neurochemistry</i> , <b>1996</b> , 66, 951-62	6	47
160	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> , <b>2016</b> , 36, 363-9	7.3	46
159	Brain derived neurotrophic factor induction of N-methyl-D-aspartate receptor subunit NR2A expression in cultured rat cortical neurons. <i>Neuroscience Letters</i> , <b>1998</b> , 252, 211-4	3.3	46

158	Serotonin transporter gene promoter region polymorphism associated with poststroke major depression. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , <b>2006</b> , 18, 96-9	2.7	46
157	Improved regional cerebral blood flow is important for the protection seen in a mouse model of late phase ischemic preconditioning. <i>Brain Research</i> , <b>2006</b> , 1121, 231-7	3.7	45
156	Canadian guidelines for intravenous thrombolytic treatment in acute stroke. A consensus statement of the Canadian Stroke Consortium. <i>Canadian Journal of Neurological Sciences</i> , <b>1998</b> , 25, 257-9	4	45
155	Antagonism of the NMDA and non-NMDA receptors in global versus focal brain ischemia. <i>Progress in Brain Research</i> , <b>1993</b> , 96, 125-35	2.9	45
154	Advances in Cerebral Ischemia: Experimental Approaches. <i>Neurologic Clinics</i> , <b>1992</b> , 10, 49-61	4.5	45
153	Is intravenous recombinant tissue plasminogen activator (rt-PA) safe for use in patients over 80 years old with acute ischaemic stroke? - The Calgary experience. <i>Age and Ageing</i> , <b>2004</b> , 33, 143-9	3	44
152	Neuroprotection achieved with a novel proteasome inhibitor which blocks NF-kappaB activation. <i>NeuroReport</i> , <b>2000</b> , 11, 427-30	1.7	42
151	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 2403-2414	6.6	40
150	Methodology for the Canadian Activase for Stroke Effectiveness Study (CASES). CASES Investigators. <i>Canadian Journal of Neurological Sciences</i> , <b>2001</b> , 28, 232-8	1	40
149	Mechanisms of cerebral ischemia: intracellular cascades and therapeutic interventions. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>1996</b> , 10, 139-46	2.1	39
148	Failure to prevent selective CA1 neuronal death and reduce cortical infarction following cerebral ischemia with inhibition of nitric oxide synthase. <i>Neuroscience</i> , <b>1994</b> , 61, 1-11	3.9	39
147	Intraluminal thrombus of the internal carotid arteries: angiographic demonstration of resolution with anticoagulant therapy alone. <i>Radiology</i> , <b>1986</b> , 160, 369-73	20.5	38
146	Cerebral blood flow alteration in neuroprotection following cerebral ischaemia. <i>Journal of Physiology</i> , <b>2011</b> , 589, 4105-14	3.9	37
145	Cellular and molecular determinants of stroke-induced changes in subventricular zone cell migration. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 1877-88	8.4	37
144	Therapeutic hypothermia in experimental models of focal and global cerebral ischemia and intracerebral hemorrhage. <i>Expert Review of Neurotherapeutics</i> , <b>2008</b> , 8, 1255-68	4.3	37
143	Inflammatory Stroke Extracellular Vesicles Induce Macrophage Activation. <i>Stroke</i> , <b>2017</b> , 48, 2292-2296	6.7	36
142	Kir6.2-containing ATP-sensitive potassium channels protect cortical neurons from ischemic/anoxic injury in vitro and in vivo. <i>Neuroscience</i> , <b>2007</b> , 144, 1509-15	3.9	36
141	Complications associated with recombinant tissue plasminogen activator therapy for acute ischaemic stroke. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2013</b> , 12, 155-69	2.6	36



140	Assessing research impact in academic clinical medicine: a study using Research Excellence Framework pilot impact indicators. <i>BMC Health Services Research</i> , <b>2012</b> , 12, 478	2.9	35
139	The erythropoietin neuroprotective effect: assessment in CABG surgery (TENPEAKS): a randomized, double-blind, placebo controlled, proof-of-concept clinical trial. <i>Stroke</i> , <b>2009</b> , 40, 2769-75	6.7	35
138	HIF prolyl hydroxylase inhibition prior to transient focal cerebral ischaemia is neuroprotective in mice. <i>Journal of Neurochemistry</i> , <b>2014</b> , 131, 177-89	6	34
137	Ependymal ciliary dysfunction and reactive astrocytosis in a reorganized subventricular zone after stroke. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 647-59	5.1	34
136	Predictors of stroke outcome. <i>Neurologic Clinics</i> , <b>2000</b> , 18, 455-73	4.5	34
135	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> , <b>2010</b> , 30, 1804-16	7.3	33
134	Organizational culture in an academic health center: an exploratory study using a competing values framework. <i>Academic Medicine</i> , <b>2012</b> , 87, 709-18	3.9	33
133	MR angiography compared to conventional selective angiography in acute stroke. <i>Canadian Journal of Neurological Sciences</i> , <b>2006</b> , 33, 58-62	1	32
132	Microarray analysis of the global gene expression profile following hypothermia and transient focal cerebral ischemia. <i>Neuroscience</i> , <b>2012</b> , 208, 109-22	3.9	31
131	Update on the third international stroke trial (IST-3) of thrombolysis for acute ischaemic stroke and baseline features of the 3035 patients recruited. <i>Trials</i> , <b>2011</b> , 12, 252	2.8	31
130	The timing, extent, progression and regression of deep vein thrombosis in immobile stroke patients: observational data from the CLOTS multicenter randomized trials. <i>Journal of Thrombosis and Haemostasis</i> , <b>2011</b> , 9, 2193-200	15.4	31
129	Neuroprotective effects of omega-3-Aga-IVA against in vitro ischaemia in the rat hippocampal slice. <i>NeuroReport</i> , <b>1995</b> , 6, 1617-20	1.7	31
128	Failure of the lipid peroxidation inhibitor, U74006F, to prevent postischemic selective neuronal injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 250-6	7.3	31
127	The relative importance of barriers to the prescription of warfarin for nonvalvular atrial fibrillation. <i>Canadian Journal of Cardiology</i> , <b>2003</b> , 19, 280-4	3.8	31
126	Circulating endothelial cell-derived extracellular vesicles mediate the acute phase response and sickness behaviour associated with CNS inflammation. <i>Scientific Reports</i> , <b>2017</b> , 7, 9574	4.9	30
125	Do NMDA antagonists prevent neuronal injury? No. <i>Archives of Neurology</i> , <b>1992</b> , 49, 420-1		30
124	Novel method to study pericyte contractility and responses to ischaemia in vitro using electrical impedance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 2013-2024	7.3	29
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