

Alastair M Buchan

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

265
papers

29,933
citations

78
h-index

171
g-index

282
ext. papers

33,540^o
ext. citations

7.9
avg, IF

6.89
L-index

#	Paper	IF	Citations
265	Gender parity in scientific authorship in a National Institute for Health Research Biomedical Research Centre: a bibliometric analysis. <i>BMJ Open</i> , 2021 , 11, e037935	3	5
264	Circadian Biology and Stroke. <i>Stroke</i> , 2021 , 52, 2180-2190	6.7	5
263	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	
262	A new thrombolytic drug for acute ischaemic stroke. <i>Lancet Neurology</i> , 2021 , 20, 687-689	24.1	3
261	Top Priorities for Cerebroprotective Studies-A Paradigm Shift: Report From STAIR XI. <i>Stroke</i> , 2021 , 52, 3063-3071	6.7	18
260	Brain health: Key to health, productivity, and well-being. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	1
259	Neuroprotection in Acute Ischemic Stroke: A Brief Review. <i>Canadian Journal of Neurological Sciences</i> , 2021 , 1-5	1	2
258	Functional Neurological Disorder: A Common and Treatable Stroke Mimic. <i>Stroke</i> , 2020 , 51, 1629-1635	6.7	9
257	Markers of achievement for assessing and monitoring gender equity in a UK National Institute for Health Research Biomedical Research Centre: A two-factor model. <i>PLoS ONE</i> , 2020 , 15, e0239589	3.7	3
256	The cost of providing mechanical thrombectomy in the UK NHS: a micro-costing study. <i>Clinical Medicine</i> , 2020 , 20, e40-e45	1.9	3
255	Growth Differentiation Factor-11 Causes Neurotoxicity During Ischemia. <i>Frontiers in Neurology</i> , 2020 , 11, 1023	4.1	2
254	Rapamycin Induces an eNOS (Endothelial Nitric Oxide Synthase) Dependent Increase in Brain Collateral Perfusion in Wistar and Spontaneously Hypertensive Rats. <i>Stroke</i> , 2020 , 51, 2834-2843	6.7	6
253	New indicators and indexes for benchmarking university-industry-government innovation in medical and life science clusters: results from the European FP7 Regions of Knowledge HealthTIES project. <i>Health Research Policy and Systems</i> , 2019 , 17, 10	3.7	6
252	Investigation of the novel mTOR inhibitor AZD2014 in neuronal ischemia. <i>Neuroscience Letters</i> , 2019 , 706, 223-230	3.3	4
251	Creating a more supportive and inclusive university culture: a mixed-methods interdisciplinary comparative analysis of medical and social sciences at the University of Oxford. <i>Interdisciplinary Science Reviews</i> , 2019 , 44, 166-191	0.7	20
250	Structural Transformation to Attain Responsible BIOSciences (STARBIOS2): Protocol for a Horizon 2020 Funded European Multicenter Project to Promote Responsible Research and Innovation. <i>JMIR Research Protocols</i> , 2019 , 8, e11745	2	6
249	Rapamycin in ischemic stroke: Old drug, new tricks?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 20-35	7.3	19

248	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
247	Letter by Harston et al Regarding Article, "Alberta Stroke Program Early CT Score Versus Computed Tomographic Perfusion to Predict Functional Outcome After Successful Reperfusion in Acute Ischemic Stroke". <i>Stroke</i> , 2018 , STROKEAHA118023749	6.7	
246	Complications of endovascular treatment for acute ischemic stroke: Prevention and management. <i>International Journal of Stroke</i> , 2018 , 13, 348-361	6.3	107
245	The role of the endoplasmic reticulum stress response following cerebral ischemia. <i>International Journal of Stroke</i> , 2018 , 13, 379-390	6.3	19
244	Therapeutic Strategies Harnessing Oxidative Stress to Treat Stroke. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2017 , 113-133		
243	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. <i>Journal of Neuroscience</i> , 2017 , 37, 2403-2414	6.6	40
242	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> , 2017 , 15, 2	4.6	76
241	Leukoaraiosis, intracerebral hemorrhage, and functional outcome after acute stroke thrombolysis. <i>Neurology</i> , 2017 , 88, 638-645	6.5	66
240	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> , 2017 , 12, 615-622	6.3	104
239	Neuroprotection in stroke: the importance of collaboration and reproducibility. <i>Brain</i> , 2017 , 140, 2079-2092	6.2	110
238	Inflammatory Stroke Extracellular Vesicles Induce Macrophage Activation. <i>Stroke</i> , 2017 , 48, 2292-2296	6.7	36
237	Circulating endothelial cell-derived extracellular vesicles mediate the acute phase response and sickness behaviour associated with CNS inflammation. <i>Scientific Reports</i> , 2017 , 7, 9574	4.9	30
236	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
235	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
234	HJM Barnett 1922-2016. <i>International Journal of Stroke</i> , 2017 , 12, NP3-NP6	6.3	
233	Targeting Pericytes and the Microcirculation for Ischemic Stroke Therapy. <i>Springer Series in Translational Stroke Research</i> , 2017 , 537-556	0.1	3
232	Markers of achievement for assessing and monitoring gender equity in translational research organisations: a rationale and study protocol. <i>BMJ Open</i> , 2016 , 6, e009022	3	14
231	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

230	Personalized medical education: Reappraising clinician-scientist training. <i>Science Translational Medicine</i> , 2016 , 8, 321fs2	17.5	20
229	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
228	Leukoaraiosis and lacunes are associated with poor clinical outcomes in ischemic stroke patients treated with intravenous thrombolysis. <i>International Journal of Stroke</i> , 2016 , 11, 62-7	6.3	18
227	A global call for action to include gender in research impact assessment. <i>Health Research Policy and Systems</i> , 2016 , 14, 50	3.7	62
226	Why do women choose or reject careers in academic medicine? A narrative review of empirical evidence. <i>Lancet, The</i> , 2016 , 388, 2948-2958	40	146
225	Reply: Intravenous thrombolysis for ischaemic strokes: a call for reappraisal. <i>Brain</i> , 2015 , 138, e342	11.2	
224	Organisational culture and post-merger integration in an academic health centre: a mixed-methods study. <i>BMC Health Services Research</i> , 2015 , 15, 25	2.9	13
223	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
222	The future of stroke therapy must not be mired by past arguments. <i>Lancet, The</i> , 2015 , 386, 654	40	
221	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
220	Robust research: Institutions must do their part for reproducibility. <i>Nature</i> , 2015 , 525, 25-7	50.4	69
219	Medical workforce education and training: A failed decentralisation attempt to reform organisation, financing, and planning in England. <i>Health Policy</i> , 2015 , 119, 1545-9	3.2	2
218	Capillary pericytes regulate cerebral blood flow in health and disease. <i>Nature</i> , 2014 , 508, 55-60	50.4	1083
217	Improving accountability through alignment: the role of academic health science centres and networks in England. <i>BMC Health Services Research</i> , 2014 , 14, 24	2.9	20
216	The life of Bo K. Siesjö MD, PhD, 1930-2013. <i>International Journal of Stroke</i> , 2014 , 9, 2-4	6.3	1
215	Medical education leaders' perceptions of postgraduate medical education reform. <i>Lancet, The</i> , 2014 , 384, 306-7	40	3
214	HIF prolyl hydroxylase inhibition prior to transient focal cerebral ischaemia is neuroprotective in mice. <i>Journal of Neurochemistry</i> , 2014 , 131, 177-89	6	34
213	Blocked angiogenesis in Galectin-3 null mice does not alter cellular and behavioral recovery after middle cerebral artery occlusion stroke. <i>Neurobiology of Disease</i> , 2014 , 63, 155-64	7.5	22

212	Reply: Thrombolysis in acute ischaemic stroke. <i>Brain</i> , 2014 , 137, e282	11.2	
211	AM last page: funding of academic research in clinical medicine in the United Kingdom. <i>Academic Medicine</i> , 2014 , 89, 830	3.9	4
210	Medical Schools as Professional Workplaces 2014 , 1403-1408		2
209	Implementation of collaborative governance in cross-sector innovation and education networks: evidence from the National Health Service in England. <i>BMC Health Services Research</i> , 2014 , 14, 552	2.9	18
208	Importance of preclinical research in the development of neuroprotective strategies for ischemic stroke. <i>JAMA Neurology</i> , 2014 , 71, 634-9	17.2	47
207	A method of inducing global cerebral ischemia. <i>Methods in Molecular Biology</i> , 2014 , 1135, 111-20	1.4	2
206	Laser Doppler flowmetry to measure changes in cerebral blood flow. <i>Methods in Molecular Biology</i> , 2014 , 1135, 237-48	1.4	19
205	The exact science of stroke thrombolysis and the quiet art of patient selection. <i>Brain</i> , 2013 , 136, 3528-531.2	11.2	56
204	Stroke syndromes and clinical management. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2013 , 106, 607-15	2.7	26
203	Ependymal ciliary dysfunction and reactive astrocytosis in a reorganized subventricular zone after stroke. <i>Cerebral Cortex</i> , 2013 , 23, 647-59	5.1	34
202	Tsc1 (hamartin) confers neuroprotection against ischemia by inducing autophagy. <i>Nature Medicine</i> , 2013 , 19, 351-7	50.5	169
201	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
200	Endogenous neuroprotection: hamartin modulates an austere approach to staying alive in a recession. <i>International Journal of Stroke</i> , 2013 , 8, 449-50	6.3	1
199	Tissue Window in Stroke Thrombolysis study (TWIST): a safety study. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 17-20	1	19
198	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
197	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
196	Complications of intracerebral haemorrhage. <i>Lancet Neurology, The</i> , 2012 , 11, 101-18	24.1	286
195	Mobile acute stroke units: bringing the hospital to the patient. <i>Lancet Neurology, The</i> , 2012 , 11, 382-3	24.1	6

194	Neuroprotection for ischaemic stroke: translation from the bench to the bedside. <i>International Journal of Stroke</i> , 2012 , 7, 407-18	6.3	192
193	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> , 2012 , 379, 2352-63	40	841
192	Roles of individual prolyl-4-hydroxylase isoforms in the first 24 hours following transient focal cerebral ischaemia: insights from genetically modified mice. <i>Journal of Physiology</i> , 2012 , 590, 4079-91	3.9	28
191	Microarray analysis of the global gene expression profile following hypothermia and transient focal cerebral ischemia. <i>Neuroscience</i> , 2012 , 208, 109-22	3.9	31
190	Suppression of the inflammatory response by diphenylethylidone after transient focal cerebral ischemia. <i>Journal of Neurochemistry</i> , 2012 , 123 Suppl 2, 98-107	6	15
189	Stroke: management and prevention. <i>Medicine</i> , 2012 , 40, 490-499	0.6	7
188	Assessing research impact in academic clinical medicine: a study using Research Excellence Framework pilot impact indicators. <i>BMC Health Services Research</i> , 2012 , 12, 478	2.9	35
187	Neuroprotection for stroke: current status and future perspectives. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 11753-72	6.3	141
186	Organizational culture in an academic health center: an exploratory study using a competing values framework. <i>Academic Medicine</i> , 2012 , 87, 709-18	3.9	33
185	Does the application of X-ray contrast agents impair the clinical effect of intravenous recombinant tissue-type plasminogen activator in acute ischemic stroke patients?. <i>Stroke</i> , 2012 , 43, 1567-71	6.7	8
184	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> , 2011 , 12, 252	2.8	31
183	Postgraduate medical education in England: 100 years of solitude. <i>Lancet, The</i> , 2011 , 378, 1984-1985	40	9
182	Endovascular stroke treatment today. <i>American Journal of Neuroradiology</i> , 2011 , 32, 238-43	4.4	29
181	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> , 2011 , 9, 2193-200	15.4	31
180	Cerebral blood flow alteration in neuroprotection following cerebral ischaemia. <i>Journal of Physiology</i> , 2011 , 589, 4105-14	3.9	37
179	Neuroprotection by dimethylxylglycine following permanent and transient focal cerebral ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 132-43	7.3	80
178	Neurological complications of acute ischaemic stroke. <i>Lancet Neurology, The</i> , 2011 , 10, 357-71	24.1	145
177	Final 2 year results of the vascular imaging of acute stroke for identifying predictors of clinical outcome and recurrent ischemic events (VISION) study. <i>BMC Cardiovascular Disorders</i> , 2011 , 11, 18	2.3	20

176	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> , 2011 , 31, 223-8	3.2	77
175	Cellular and molecular determinants of stroke-induced changes in subventricular zone cell migration. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 1877-88	8.4	37
174	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> , 2010 , 30, 1178-87	7.3	63
173	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
172	Glial and neuronal control of brain blood flow. <i>Nature</i> , 2010 , 468, 232-43	50.4	1571
171	Preliminary evidence of a high risk of bleeding on aspirin plus clopidogrel in aspirin-naïve patients in the acute phase after TIA or minor ischaemic stroke. <i>Cerebrovascular Diseases</i> , 2010 , 29, 460-7	3.2	23
170	Stroke: working toward a prioritized world agenda. <i>Cerebrovascular Diseases</i> , 2010 , 30, 127-47	3.2	19
169	Organizational models of emerging academic health science centers in England. <i>Academic Medicine</i> , 2010 , 85, 1282-9	3.9	15
168	Stroke: working toward a prioritized world agenda. <i>Stroke</i> , 2010 , 41, 1084-99	6.7	98
167	Outcomes of thrombolysis for acute ischemic stroke in octogenarians versus nonagenarians. <i>Stroke</i> , 2010 , 41, 1833-5	6.7	47
166	Stenting versus endarterectomy for treatment of carotid-artery stenosis. <i>New England Journal of Medicine</i> , 2010 , 363, 11-23	59.2	2055
165	Acute corticospinal tract Wallerian degeneration is associated with stroke outcome. <i>Stroke</i> , 2010 , 41, 751-6	6.7	74
164	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> , 2010 , 375, 1695-703	40	1542
163	Ischemic stroke in the elderly: an overview of evidence. <i>Nature Reviews Neurology</i> , 2010 , 6, 256-65	15	161
162	Therapeutic manipulation of the HIF hydroxylases. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 481-501	8.4	71
161	Assessing the quality and reproducibility of a proteomic platform for clinical stroke biomarker discovery. <i>Translational Stroke Research</i> , 2010 , 1, 304-14	7.8	9
160	Should you thrombolysed all or any stroke patients with baseline National Institutes of Health stroke scale scores <i>Cerebrovascular Diseases</i> , 2009 , 28, 201-2	3.2	17
159	Admission hyperglycemia predicts a worse outcome in stroke patients treated with intravenous thrombolysis. <i>Diabetes Care</i> , 2009 , 32, 617-22	14.6	143

158	Reprint: Good laboratory practice: preventing introduction of bias at the bench. <i>Stroke</i> , 2009 , 29, 221-3	6.7	236
157	Good clinical outcome after ischemic stroke with successful revascularization is time-dependent. <i>Neurology</i> , 2009 , 73, 1066-72	6.5	386
156	Reprint: Good Laboratory Practice: Preventing Introduction of Bias at the Bench. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 221-223	7.3	50
155	Reprint: Good laboratory practice: preventing introduction of bias at the bench. <i>International Journal of Stroke</i> , 2009 , 4, 3-5	6.3	23
154	Effects of NXY-059 in experimental stroke: an individual animal meta-analysis. <i>British Journal of Pharmacology</i> , 2009 , 157, 1157-71	8.6	96
153	Impact of acute stroke unit on hospital length of stay. <i>Archives of Gerontology and Geriatrics</i> , 2009 , 49, e12-5	4	8
152	The erythropoietin neuroprotective effect: assessment in CABG surgery (TENPEAKS): a randomized, double-blind, placebo controlled, proof-of-concept clinical trial. <i>Stroke</i> , 2009 , 40, 2769-75	6.7	35
151	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> , 2009 , 373, 1958-65	4.0	34.0
150	Rapid evaluation after high-risk TIA is associated with lower stroke risk. <i>Canadian Journal of Neurological Sciences</i> , 2009 , 36, 450-5	1	22
149	Approaches to neuroprotective and reperfusion injury therapy. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2009 , 94, 1205-23	3	2
148	Intravenous thrombolysis for acute ischaemic stroke in young adult patients. <i>Canadian Journal of Neurological Sciences</i> , 2009 , 36, 161-7	1	8
147	Interpretation of ESPRIT in the FASTER trial [Authors' reply]. <i>Lancet Neurology, The</i> , 2008 , 7, 199	24.1	
146	Stroke: management and prevention. <i>Medicine</i> , 2008 , 36, 592-600	0.6	4
145	Therapeutic hypothermia in experimental models of focal and global cerebral ischemia and intracerebral hemorrhage. <i>Expert Review of Neurotherapeutics</i> , 2008 , 8, 1255-68	4.3	37
144	A case of cocaine-induced basilar artery thrombosis. <i>Nature Clinical Practice Neurology</i> , 2008 , 4, 622-6		10
143	Stroke in the very old: clinical presentations and outcomes. <i>Age and Ageing</i> , 2008 , 37, 473-5	3	15
142	Predicting outcome in hyper-acute stroke: validation of a prognostic model in the Third International Stroke Trial (IST3). <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008 , 79, 397-400	5.5	29
141	The gender effect in stroke thrombolysis: of CASES, controls, and treatment-effect modification. <i>Neurology</i> , 2008 , 71, 1080-3	6.5	57

140	Development and efficacy of NXY-059 for the treatment of acute ischemic stroke. <i>Future Neurology</i> , 2008 , 3, 229-240	1.5	8
139	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> , 2008 , 3, 3-10	6.3	100
138	Setting up an acute stroke service. <i>International Journal of Stroke</i> , 2008 , 3, 182-7	6.3	1
137	Moving forward with intra-arterial and intravenous stroke treatment. <i>International Journal of Stroke</i> , 2007 , 2, 45-6	6.3	1
136	Fast assessment of stroke and transient ischaemic attack to prevent early recurrence (FASTER): a randomised controlled pilot trial. <i>Lancet Neurology</i> , 2007 , 6, 961-9	24.1	408
135	Asymptomatic hemorrhage after thrombolysis may not be benign: prognosis by hemorrhage type in the Canadian alteplase for stroke effectiveness study registry. <i>Stroke</i> , 2007 , 38, 75-9	6.7	135
134	The Interventional Management of Stroke (IMS) II Study. <i>Stroke</i> , 2007 , 38, 2127-35	6.7	523
133	Strategies for therapy in acute ischemic stroke. <i>Nature Clinical Practice Neurology</i> , 2007 , 3, 2-3		3
132	Is alteplase safe and effective in routine clinical practice for patients with ischemic stroke?. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007 , 4, 356-7		
131	Kir6.2-containing ATP-sensitive potassium channels protect cortical neurons from ischemic/anoxic injury in vitro and in vivo. <i>Neuroscience</i> , 2007 , 144, 1509-15	3.9	36
130	Prior deafferentation confers long term protection to CA1 against transient forebrain ischemia and sustains GluR2 expression. <i>Brain Research</i> , 2006 , 1075, 201-12	3.7	4
129	Improved regional cerebral blood flow is important for the protection seen in a mouse model of late phase ischemic preconditioning. <i>Brain Research</i> , 2006 , 1121, 231-7	3.7	45
128	Recent advances in management of transient ischaemic attacks and minor ischaemic strokes. <i>Lancet Neurology</i> , 2006 , 5, 323-31	24.1	132
127	Imaging of acute stroke. <i>Lancet Neurology</i> , 2006 , 5, 755-68	24.1	269
126	Diabetes, leukoencephalopathy and rage. <i>Neurobiology of Disease</i> , 2006 , 23, 445-61	7.5	79
125	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> , 2006 , 37, 2100-6	6.7	121
124	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> , 2006 , 37, 2107-14	6.7	107
123	Sex-based differences in the effect of intra-arterial treatment of stroke: analysis of the PROACT-2 study. <i>Stroke</i> , 2006 , 37, 2322-5	6.7	73

122	Clarification. <i>Stroke</i> , 2006 , 37, 2648	6.7	4
121	Serotonin transporter gene promoter region polymorphism associated with poststroke major depression. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2006 , 18, 96-9	2.7	46
120	How well does ASPECTS predict the outcome of acute stroke treated with IV tPA?. <i>Neurology</i> , 2006 , 67, 516-8	6.5	50
119	Insular cortical ischaemia does not independently predict acute hypertension or hyperglycaemia within 3 h of onset. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006 , 77, 885-7	5.5	7
118	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> , 2006 , 77, 826-9	5.5	124
117	Neuroprotection and neurogenesis: modulation of cornus ammonis 1 neuronal survival after transient forebrain ischemia by prior fimbria-fornix deafferentation. <i>Neuroscience</i> , 2006 , 140, 219-26	3.9	5
116	Translational vehicles for neuroprotection. <i>Biochemical Society Transactions</i> , 2006 , 34, 1318-22	5.1	6
115	MR angiography compared to conventional selective angiography in acute stroke. <i>Canadian Journal of Neurological Sciences</i> , 2006 , 33, 58-62	1	32
114	NX-059: brain or vessel protection. <i>Stroke</i> , 2006 , 37, 2189-90	6.7	19
113	Statins are associated with better outcomes after carotid endarterectomy in symptomatic patients. <i>Stroke</i> , 2005 , 36, 2072-6	6.7	161
112	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> , 2005 , 388, 54-9	3.3	47
111	Informed consent for thrombolytic therapy in acute ischemic stroke. <i>Stroke</i> , 2005 , 36, 528-9; author reply 528-9	6.7	2
110	Use of magnetic resonance imaging in predicting further vascular events among patients with transient ischemic attacks. <i>Stroke</i> , 2005 , 36, 526-8; author reply 526-8	6.7	
109	Stroke prevention. MATCHing therapy to the patient with TIA. <i>Postgraduate Medicine</i> , 2005 , 117, 26-30	3.7	5
108	Emergency administration of abciximab for treatment of patients with acute ischemic stroke: results of a randomized phase 2 trial. <i>Stroke</i> , 2005 , 36, 880-90	6.7	154
107	A novel method to derive separate gray and white matter cerebral blood flow measures from MR imaging of acute ischemic stroke patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 1236-43	7.3	22
106	Triaging transient ischemic attack and minor stroke patients using acute magnetic resonance imaging. <i>Annals of Neurology</i> , 2005 , 57, 848-54	9.4	199
105	A study of the workload and effectiveness of a comprehensive acute stroke service. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005 , 76, 863-5	5.5	28

104	Thrombolysis for acute ischemic stroke: results of the Canadian Alteplase for Stroke Effectiveness Study. <i>Cmaj</i> , 2005 , 172, 1307-12	3.5	335
103	C-EPO: ready for prime-time preconditioning?. <i>Cerebrovascular Diseases</i> , 2005 , 19, 272-3; discussion 273	3.2	10
102	Improved regional cerebral blood flow mediates tolerance afforded by ischemic preconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S298-S298	7.3	
101	The rise and fall of NMDA antagonists for ischemic stroke. <i>Current Molecular Medicine</i> , 2004 , 4, 131-6	2.5	158
100	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> , 2004 , 33, 143-9	3	44
99	Mild neurological symptoms despite middle cerebral artery occlusion. <i>Stroke</i> , 2004 , 35, 469-71	6.7	19
98	ASPECTS on CTA source images versus unenhanced CT: added value in predicting final infarct extent and clinical outcome. <i>Stroke</i> , 2004 , 35, 2472-6	6.7	148
97	Predicting functional outcome after intra-arterial thrombolysis: aspects of ASPECTS. <i>Stroke</i> , 2004 , 35, e7-8; author reply e7-8	6.7	2
96	Interobserver variation of ASPECTS in real time. <i>Stroke</i> , 2004 , 35, e103-5	6.7	68
95	Temperature-regulated model of focal ischemia in the mouse: a study with histopathological and behavioral outcomes. <i>Stroke</i> , 2004 , 35, 1720-5	6.7	73
94	The probability of middle cerebral artery MRA flow signal abnormality with quantified CT ischaemic change: targets for future therapeutic studies. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004 , 75, 1426-30	5.5	22
93	The neurotoxicity of tissue plasminogen activator?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004 , 24, 945-63	7.3	205
92	Organization of regional and local stroke resources: methods to expedite acute management of stroke. <i>Current Neurology and Neuroscience Reports</i> , 2004 , 4, 13-8	6.6	4
91	MR molecular imaging of early endothelial activation in focal ischemia. <i>Annals of Neurology</i> , 2004 , 56, 116-20	9.4	79
90	Mechanisms of hemorrhagic transformation after tissue plasminogen activator reperfusion therapy for ischemic stroke. <i>Stroke</i> , 2004 , 35, 2726-30	6.7	255
89	Combined intravenous and intra-arterial recanalization for acute ischemic stroke: the Interventional Management of Stroke Study. <i>Stroke</i> , 2004 , 35, 904-11	6.7	576
88	Lost in translation: taking neuroprotection from animal models to clinical trials. <i>Experimental Neurology</i> , 2004 , 188, 200-4	5.7	79
87	Early risk of stroke after a transient ischemic attack in patients with internal carotid artery disease. <i>Cmaj</i> , 2004 , 170, 1105-9	3.5	175

86	Fluid-attenuated inversion recovery preparation: not an improvement over conventional diffusion-weighted imaging at 3T in acute ischemic stroke. <i>American Journal of Neuroradiology</i> , 2004 , 25, 1653-8	4.4	12
85	Hyperacute stroke: experience essential when reading unenhanced CT scans. <i>American Journal of Neuroradiology</i> , 2004 , 25, 516; author reply 516-8	4.4	
84	Reliability of assessing percentage of diffusion-perfusion mismatch. <i>Stroke</i> , 2003 , 34, 1681-3	6.7	87
83	Selection of acute ischemic stroke patients for intra-arterial thrombolysis with pro-urokinase by using ASPECTS. <i>Stroke</i> , 2003 , 34, 1925-31	6.7	235
82	ASPECTS reading requires training and experience. <i>Stroke</i> , 2003 , 34, e179; author reply e179	6.7	21
81	Lessons in experimental ischemia for clinical stroke medicine. <i>Current Opinion in Neurology</i> , 2003 , 16, 65-71	7.1	9
80	CP-465,022, a selective noncompetitive AMPA receptor antagonist, blocks AMPA receptors but is not neuroprotective in vivo. <i>Stroke</i> , 2003 , 34, 171-6	6.7	25
79	Acute Stroke Therapy by Inhibition of Neutrophils (ASTIN): an adaptive dose-response study of UK-279,276 in acute ischemic stroke. <i>Stroke</i> , 2003 , 34, 2543-8	6.7	346
78	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> , 2003 , 100, 2906-10	11.5	96
77	Neuroprotective Stroke Trials: A Ten Year Dry Season 2003 , 236-251		
76	The relative importance of barriers to the prescription of warfarin for nonvalvular atrial fibrillation. <i>Canadian Journal of Cardiology</i> , 2003 , 19, 280-4	3.8	31
75	Biochemistry of ischemic stroke. <i>Advances in Neurology</i> , 2003 , 92, 151-64		20
74	Lessons in experimental ischemia for clinical stroke medicine. <i>Current Opinion in Neurology</i> , 2003 , 16, 65-71	7.1	2
73	Acute intravenous--intra-arterial revascularization therapy for severe ischemic stroke. <i>Stroke</i> , 2002 , 33, 279-82	6.7	75
72	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> , 2002 , 105, 1679-85	16.7	334
71	Hyperdense sylvian fissure MCA "dot" sign: A CT marker of acute ischemia. <i>Stroke</i> , 2001 , 32, 84-8	6.7	131
70	Dehydroepiandrosterone (DHEA) reduces neuronal injury in a rat model of global cerebral ischemia. <i>Brain Research</i> , 2001 , 888, 263-266	3.7	60
69	NXY-059, a novel free radical trapping compound, reduces cortical infarction after permanent focal cerebral ischemia in the rat. <i>Brain Research</i> , 2001 , 909, 46-50	3.7	89

68	Symptomatic hemorrhage after alteplase therapy not due to silent ischemia. <i>BMC Neurology</i> , 2001 , 1, 1	3.1	7
67	Understanding and managing ischemic stroke. <i>Canadian Journal of Physiology and Pharmacology</i> , 2001 , 79, 283-296	2.4	29
66	Thrombolytic therapy for acute ischemic stroke - The CAEP Position Statement: another perspective. <i>Canadian Journal of Emergency Medicine</i> , 2001 , 3, 180-2	0.6	
65	Methodology for the Canadian Activase for Stroke Effectiveness Study (CASES). CASES Investigators. <i>Canadian Journal of Neurological Sciences</i> , 2001 , 28, 232-8	1	40
64	Cerebral Ischemia: Molecular and Cellular Pathophysiology. 1st Edition. 1999. Edited by Wolfgang Walz. Published by Humana Press Inc. 278 pages. C\$181.25 approx.. <i>Canadian Journal of Neurological Sciences</i> , 2001 , 28, 380-380	1	
63	The Canadian Activase for Stroke Effectiveness Study (CASES): Interim Results. <i>Stroke</i> , 2001 , 32, 323-323	6.7	4
62	Neuroprotection achieved with a novel proteasome inhibitor which blocks NF-kappaB activation. <i>NeuroReport</i> , 2000 , 11, 427-30	1.7	42
61	Caspase inhibitors reduce neuronal injury after focal but not global cerebral ischemia in rats. <i>Stroke</i> , 2000 , 31, 176-82	6.7	127
60	Doubts, fears and misconceptions. What is the future of thrombolysis in acute stroke?. <i>Canadian Journal of Neurological Sciences</i> , 2000 , 27, 283-7	1	3
59	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> , 2000 , 20, 1702-8	7.3	191
58	CoQ10 fails to protect brain against focal and global ischemia in rats. <i>Brain Research</i> , 2000 , 877, 7-11	3.7	13
57	Animal models. <i>British Medical Bulletin</i> , 2000 , 56, 307-17	5.4	48
56	The imperative to develop dedicated stroke centers. <i>JAMA - Journal of the American Medical Association</i> , 2000 , 283, 3125-6	27.4	14
55	Intra-arterial thrombolysis for hyperacute stroke. <i>Lancet, The</i> , 2000 , 356, 1112	40	
54	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> , 2000 , 355, 1670-4	40	1563
53	Apoptosis after experimental stroke: fact or fashion?. <i>Journal of Neurotrauma</i> , 2000 , 17, 899-914	5.4	124
52	Predictors of stroke outcome. <i>Neurologic Clinics</i> , 2000 , 18, 455-73	4.5	34
51	Can pure oxygen prevent stroke damage?. <i>Critical Care Medicine</i> , 2000 , 28, 3101-2	1.4	1

50	Continuing postischemic neuronal death in CA1: influence of ischemia duration and cytoprotective doses of NBQX and SNX-111 in rats. <i>Stroke</i> , 1999 , 30, 662-8	6.7	161
49	Tissue plasminogen activator does not increase neuronal damage in rat models of global and focal ischemia. <i>Neurology</i> , 1999 , 52, 1381-4	6.5	52
48	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> , 1999 , 19, 742-9	7.3	195
47	Biology of ischemic cerebral cell death. <i>Progress in Cardiovascular Diseases</i> , 1999 , 42, 185-207	8.5	86
46	Serum glucose level and diabetes predict tissue plasminogen activator-related intracerebral hemorrhage in acute ischemic stroke. <i>Stroke</i> , 1999 , 30, 34-9	6.7	322
45	Correlation of neurologic dysfunction with CT findings in early acute stroke. <i>Canadian Journal of Neurological Sciences</i> , 1999 , 26, 182-9	1	12
44	Biphasic opening of the blood-brain barrier following transient focal ischemia: effects of hypothermia. <i>Canadian Journal of Neurological Sciences</i> , 1999 , 26, 298-304	1	167
43	Comparison of the changes in protein kinase C induced by glutamate in primary cortical neurons and by in vivo cerebral ischaemia. <i>Cellular Signalling</i> , 1998 , 10, 291-5	4.9	24
42	Brain derived neurotrophic factor induction of N-methyl-D-aspartate receptor subunit NR2A expression in cultured rat cortical neurons. <i>Neuroscience Letters</i> , 1998 , 252, 211-4	3.3	46
41	Canadian guidelines for intravenous thrombolytic treatment in acute stroke. A consensus statement of the Canadian Stroke Consortium. <i>Canadian Journal of Neurological Sciences</i> , 1998 , 25, 257-9	4.5	45
40	Exploration of P-type Ca ²⁺ channels as drug targets for the treatment of epilepsy or ischemic stroke. <i>Neuropharmacology</i> , 1997 , 36, 107-13	5.5	17
39	Alteration in NMDA receptor subunit mRNA expression in vulnerable and resistant regions of in vitro ischemic rat hippocampal slices. <i>Neuroscience Letters</i> , 1997 , 232, 87-90	3.3	28
38	Identification of calcium channels involved in neuronal injury in rat hippocampal slices subjected to oxygen and glucose deprivation. <i>Brain Research</i> , 1997 , 753, 209-18	3.7	47
37	Effect of temperature in focal ischemia of rat brain studied by 31P and 1H spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 346-54	4.4	15
36	NMDA antagonists: their role in neuroprotection. <i>International Review of Neurobiology</i> , 1997 , 40, 137-71	4.4	27
35	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> , 1996 , 66, 951-62	6	47
34	Mechanisms of 1S,3R-ACPD-induced neuroprotection in rat hippocampal slices subjected to oxygen and glucose deprivation. <i>Neuropharmacology</i> , 1996 , 35, 1037-48	5.5	25
33	Mechanisms of cerebral ischemia: intracellular cascades and therapeutic interventions. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1996 , 10, 139-46	2.1	39

32	Differences in DNA fragmentation following transient cerebral or decapitation ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995 , 15, 728-37	7.3	110
31	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> , 1995 , 110, 349-62	1.5	263
30	Neuroprotective effects of omega-Aga-IVA against in vitro ischaemia in the rat hippocampal slice. <i>NeuroReport</i> , 1995 , 6, 1617-20	1.7	31
29	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> , 1995 , 123, 649-55 ⁸		94
28	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> , 1994 , 14, 903-10	7.3	127
27	Delayed treatment with AMPA, but not NMDA, antagonists reduces neocortical infarction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994 , 14, 251-61	7.3	153
26	In vivo binding of [3H]nimodipine in rat brain after transient forebrain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994 , 14, 397-405	7.3	10
25	Failure to prevent selective CA1 neuronal death and reduce cortical infarction following cerebral ischemia with inhibition of nitric oxide synthase. <i>Neuroscience</i> , 1994 , 61, 1-11	3.9	39
24	DNA damage consistent with apoptosis in transient focal ischaemic neocortex. <i>NeuroReport</i> , 1994 , 5, 493-6	1.7	180
23	Global ischemia can cause DNA fragmentation indicative of apoptosis in rat brain. <i>Neuroscience Letters</i> , 1993 , 164, 89-92	3.3	449
22	Antagonism of the NMDA and non-NMDA receptors in global versus focal brain ischemia. <i>Progress in Brain Research</i> , 1993 , 96, 125-35	2.9	45
21	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> , 1993 , 13, 933-9	7.3	139
20	Sciatic neuropathy associated with persistent sciatic artery. <i>Archives of Neurology</i> , 1992 , 49, 967-8		18
19	Do NMDA antagonists prevent neuronal injury? No. <i>Archives of Neurology</i> , 1992 , 49, 420-1		30
18	A new model of temporary focal neocortical ischemia in the rat. <i>Stroke</i> , 1992 , 23, 273-9	6.7	207
17	Tirilazad reduces cortical infarction after transient but not permanent focal cerebral ischemia in rats. <i>Stroke</i> , 1992 , 23, 894-9	6.7	141
16	The effect of the NMDA receptor antagonist MK-801 on cerebral blood flow and infarct volume in experimental focal stroke. <i>Brain Research</i> , 1992 , 574, 171-7	3.7	129
15	Immediate or delayed mild hypothermia prevents focal cerebral infarction. <i>Brain Research</i> , 1992 , 587, 66-72	3.7	159

14	Advances in Cerebral Ischemia: Experimental Approaches. <i>Neurologic Clinics</i> , 1992 , 10, 49-61	4.5	45
13	Failure of the lipid peroxidation inhibitor, U74006F, to prevent postischemic selective neuronal injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1992 , 12, 250-6	7.3	31
12	Delayed AMPA receptor blockade reduces cerebral infarction induced by focal ischemia. <i>NeuroReport</i> , 1991 , 2, 473-6	1.7	126
11	Blockade of the AMPA receptor prevents CA1 hippocampal injury following severe but transient forebrain ischemia in adult rats. <i>Neuroscience Letters</i> , 1991 , 132, 255-8	3.3	239
10	N-Methyl-D-Aspartate Excitotoxicity: Is It Important in Ischemic Neuronal Injury? 1991 , 59-75		
9	Septo-hippocampal deafferentation protects CA1 neurons against ischemic injury. <i>Brain Research</i> , 1990 , 512, 7-14	3.7	54
8	The four-vessel occlusion rat model: method for complete occlusion of vertebral arteries and control of collateral circulation. <i>Stroke</i> , 1988 , 19, 913-4	6.7	210
7	Intraluminal thrombus in the cerebral circulation. Implications for surgical management. <i>Stroke</i> , 1988 , 19, 681-7	6.7	86
6	Intraluminal thrombus of the internal carotid arteries: angiographic demonstration of resolution with anticoagulant therapy alone. <i>Radiology</i> , 1986 , 160, 369-73	20.5	38
5	Septal elicitation of hippocampal theta rhythm after localized de-afferentation of serotonergic fibers. <i>Brain Research</i> , 1980 , 200, 259-69	3.7	71
4	Structural and functional restoration by collateral sprouting of hippocampal 5-HT axons. <i>Nature</i> , 1978 , 274, 374-6	50.4	122
3	The Politics of Nuclear Proliferation. By George H. Quester. (Baltimore, Md.: The Johns Hopkins University Press, 1973. Pp. 245. \$11.50.). <i>American Political Science Review</i> , 1976 , 70, 1012-1013	4.5	
2	War and Politics, By Bernard Brodie. (New York: Macmillan, 1973. Pp. 496. \$8.95.). <i>American Political Science Review</i> , 1975 , 69, 731-732	4.5	
1	Multicoloured Britain. <i>International Journal</i> , 1968 , 23, 520-530	0.4	2