

# Alastair M Buchan

## List of Publications by Year in descending order

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275  
papers

36,515  
citations

4942

84  
h-index

3257

185  
g-index

282  
all docs

282  
docs citations

282  
times ranked

36931  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Stenting versus Endarterectomy for Treatment of Carotid-Artery Stenosis. <i>New England Journal of Medicine</i> , 2010, 363, 11-23.	13.9	2,634
3	Validity and reliability of a quantitative computed tomography score in predicting outcome of hyperacute stroke before thrombolytic therapy. <i>Lancet, The</i> , 2000, 355, 1670-1674.	6.3	2,082
4	Glial and neuronal control of brain blood flow. <i>Nature</i> , 2010, 468, 232-243.	13.7	2,003
5	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, 1695-1703.	6.3	1,871
6	Capillary pericytes regulate cerebral blood flow in health and disease. <i>Nature</i> , 2014, 508, 55-60.	13.7	1,466
7	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, 2352-2363.	6.3	1,018
8	Combined Intravenous and Intra-Arterial Recanalization for Acute Ischemic Stroke: The Interventional Management of Stroke Study. <i>Stroke</i> , 2004, 35, 904-911.	1.0	676
9	The Interventional Management of Stroke (IMS) II Study. <i>Stroke</i> , 2007, 38, 2127-2135.	1.0	586
10	Fast assessment of stroke and transient ischaemic attack to prevent early recurrence (FASTER): a randomised controlled pilot trial. <i>Lancet Neurology, The</i> , 2007, 6, 961-969.	4.9	495
11	Global ischemia can cause DNA fragmentation indicative of apoptosis in rat brain. <i>Neuroscience Letters</i> , 1993, 164, 89-92.	1.0	484
12	Good clinical outcome after ischemic stroke with successful revascularization is time-dependent. <i>Neurology</i> , 2009, 73, 1066-1072.	1.5	456
13	Acute Stroke Therapy by Inhibition of Neutrophils (ASTIN). <i>Stroke</i> , 2003, 34, 2543-2548.	1.0	416
14	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, 1958-1965.	6.3	414
15	Thrombolysis for acute ischemic stroke: results of the Canadian Alteplase for Stroke Effectiveness Study. <i>Cmaj</i> , 2005, 172, 1307-1312.	0.9	396
16	Markers of Increased Risk of Intracerebral Hemorrhage After Intravenous Recombinant Tissue Plasminogen Activator Therapy for Acute Ischemic Stroke in Clinical Practice. <i>Circulation</i> , 2002, 105, 1679-1685.	1.6	394
17	Complications of intracerebral haemorrhage. <i>Lancet Neurology, The</i> , 2012, 11, 101-118.	4.9	364
18	Serum Glucose Level and Diabetes Predict Tissue Plasminogen Activator-Related Intracerebral Hemorrhage in Acute Ischemic Stroke. <i>Stroke</i> , 1999, 30, 34-39.	1.0	355

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19	A randomized study of the influence of perfusion technique and pH management strategy in 316 patients undergoing coronary artery bypass surgery. Journal of Thoracic and Cardiovascular Surgery, 1995, 110, 349-362.	0.4	316
20	Imaging of acute stroke. Lancet Neurology, The, 2006, 5, 755-768.	4.9	311
21	Mechanisms of Hemorrhagic Transformation After Tissue Plasminogen Activator Reperfusion Therapy for Ischemic Stroke. Stroke, 2004, 35, 2726-2730.	1.0	294
22	Good Laboratory Practice. Stroke, 2009, 40, 221-3.	1.0	292
23	Selection of Acute Ischemic Stroke Patients for Intra-Arterial Thrombolysis With Pro-Urokinase by Using ASPECTS. Stroke, 2003, 34, 1925-1931.	1.0	262
24	Blockade of the AMPA receptor prevents CA1 hippocampal injury following severe but transient forebrain ischemia in adult rats. Neuroscience Letters, 1991, 132, 255-258.	1.0	251
25	The Neurotoxicity of Tissue Plasminogen Activator?. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 945-963.	2.4	241
26	The four-vessel occlusion rat model: method for complete occlusion of vertebral arteries and control of collateral circulation. Stroke, 1988, 19, 913-914.	1.0	234
27	Ischemic stroke in the elderly: an overview of evidence. Nature Reviews Neurology, 2010, 6, 256-265.	4.9	224
28	Neuroprotection for Ischaemic Stroke: Translation from the Bench to the Bedside. International Journal of Stroke, 2012, 7, 407-418.	2.9	224
29	Why do women choose or reject careers in academic medicine? A narrative review of empirical evidence. Lancet, The, 2016, 388, 2948-2958.	6.3	224
30	Triaging transient ischemic attack and minor stroke patients using acute magnetic resonance imaging. Annals of Neurology, 2005, 57, 848-854.	2.8	223
31	A new model of temporary focal neocortical ischemia in the rat. Stroke, 1992, 23, 273-279.	1.0	218
32	Indefatigable CA1 Sector Neuroprotection with Mild Hypothermia Induced 6 Hours after Severe Forebrain Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 742-749.	2.4	210
33	Biphasic Opening of the Blood-Brain Barrier Following Transient Focal Ischemia: Effects of Hypothermia. Canadian Journal of Neurological Sciences, 1999, 26, 298-304.	0.3	210
34	Prolonged but Delayed Postischemic Hypothermia: A Long-term Outcome Study in the Rat Middle Cerebral Artery Occlusion Model. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1702-1708.	2.4	210
35	Early risk of stroke after a transient ischemic attack in patients with internal carotid artery disease. Cmaj, 2004, 170, 1105-1109.	0.9	207
36	DNA damage consistent with apoptosis in transient focal ischaemic neocortex. NeuroReport, 1994, 5, 493-496.	0.6	196

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37	Tsc1 (hamartin) confers neuroprotection against ischemia by inducing autophagy. <i>Nature Medicine</i> , 2013, 19, 351-357.	15.2	196
38	Complications of endovascular treatment for acute ischemic stroke: Prevention and management. <i>International Journal of Stroke</i> , 2018, 13, 348-361.	2.9	195
39	Statins Are Associated With Better Outcomes After Carotid Endarterectomy in Symptomatic Patients. <i>Stroke</i> , 2005, 36, 2072-2076.	1.0	188
40	Neurological complications of acute ischaemic stroke. <i>Lancet Neurology</i> , The, 2011, 10, 357-371.	4.9	187
41	The Rise and Fall of NMDA Antagonists for Ischemic Stroke. <i>Current Molecular Medicine</i> , 2004, 4, 131-136.	0.6	179
42	Immediate or delayed mild hypothermia prevents focal cerebral infarction. <i>Brain Research</i> , 1992, 587, 66-72.	1.1	177
43	Emergency Administration of Abciximab for Treatment of Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2005, 36, 880-890.	1.0	176
44	ASPECTS on CTA Source Images Versus Unenhanced CT. <i>Stroke</i> , 2004, 35, 2472-2476.	1.0	173
45	Admission Hyperglycemia Predicts a Worse Outcome in Stroke Patients Treated With Intravenous Thrombolysis. <i>Diabetes Care</i> , 2009, 32, 617-622.	4.3	172
46	Asymptomatic Hemorrhage After Thrombolysis May Not Be Benign. <i>Stroke</i> , 2007, 38, 75-79.	1.0	169
47	Neuroprotection for Stroke: Current Status and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2012, 13, 11753-11772.	1.8	169
48	Delayed Treatment with AMPA, but Not NMDA, Antagonists Reduces Neocortical Infarction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 251-261.	2.4	166
49	Continuing Postischemic Neuronal Death in CA1. <i>Stroke</i> , 1999, 30, 662-668.	1.0	166
50	Hyperdense Sylvian Fissure MCA â€•Sign. <i>Stroke</i> , 2001, 32, 84-88.	1.0	160
51	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.	2.9	154
52	Recent advances in management of transient ischaemic attacks and minor ischaemic strokes. <i>Lancet Neurology</i> , The, 2006, 5, 323-331.	4.9	153
53	Neuroprotection in stroke: the importance of collaboration and reproducibility. <i>Brain</i> , 2017, 140, 2079-2092.	3.7	153
54	Treatment with an AMPA Antagonist 12 Hours following Severe Normothermic Forebrain Ischemia Prevents CA<sub>1</sub> Neuronal Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 933-939.	2.4	150

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55	Tirilazad reduces cortical infarction after transient but not permanent focal cerebral ischemia in rats.. Stroke, 1992, 23, 894-899.	1.0	149
56	Thrombolysis in patients older than 80 years with acute ischaemic stroke: Canadian Alteplase for Stroke Effectiveness Study. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 77, 826-829.	0.9	147
57	Caspase Inhibitors Reduce Neuronal Injury After Focal but Not Global Cerebral Ischemia in Rats. Stroke, 2000, 31, 176-182.	1.0	141
58	A Selective N-Type Ca <sup>2+</sup> -Channel Blocker Prevents CA1 Injury 24 h following Severe Forebrain Ischemia and Reduces Infarction following Focal Ischemia. Journal of Cerebral Blood Flow and Metabolism, 1994, 14, 903-910.	2.4	136
59	The ALIAS Pilot Trial. Stroke, 2006, 37, 2100-2106.	1.0	135
60	The effect of the NMDA receptor antagonist MK-801 on cerebral blood flow and infarct volume in experimental focal stroke. Brain Research, 1992, 574, 171-177.	1.1	134
61	Apoptosis After Experimental Stroke: Fact or Fashion?. Journal of Neurotrauma, 2000, 17, 899-914.	1.7	133
62	Delayed AMPA receptor blockade reduces cerebral infarction induced by focal ischemia. NeuroReport, 1991, 2, 473-476.	0.6	131
63	Lack of Effect of Aspirin in Asymptomatic Patients with Carotid Bruits and Substantial Carotid Narrowing. Annals of Internal Medicine, 1995, 123, 649.	2.0	128
64	Structural and functional restoration by collateral sprouting of hippocampal 5-HT axons. Nature, 1978, 274, 374-376.	13.7	127
65	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. Human Resources for Health, 2017, 15, 2.	1.1	124
66	The ALIAS Pilot Trial. Stroke, 2006, 37, 2107-2114.	1.0	123
67	Stroke: Working Toward a Prioritized World Agenda. Stroke, 2010, 41, 1084-1099.	1.0	122
68	Differences in DNA Fragmentation following Transient Cerebral or Decapitation Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 1995, 15, 728-737.	2.4	117
69	Intraluminal thrombus in the cerebral circulation. Implications for surgical management.. Stroke, 1988, 19, 681-687.	1.0	111
70	Effects of NXY-059 in experimental stroke: an individual animal meta-analysis. British Journal of Pharmacology, 2009, 157, 1157-1171.	2.7	111
71	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. International Journal of Stroke, 2008, 3, 3-10.	2.9	110
72	Hypothermia rescues hippocampal CA1 neurons and attenuates down-regulation of the AMPA receptor GluR2 subunit after forebrain ischemia. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2906-2910.	3.3	106

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73	Biology of ischemic cerebral cell death. <i>Progress in Cardiovascular Diseases</i> , 1999, 42, 185-207.	1.6	102
74	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.	1.1	100
75	Reliability of Assessing Percentage of Diffusion-Perfusion Mismatch. <i>Stroke</i> , 2003, 34, 1681-1683.	1.0	98
76	Acute Corticospinal Tract Wallerian Degeneration Is Associated With Stroke Outcome. <i>Stroke</i> , 2010, 41, 751-756.	1.0	97
77	Robust research: Institutions must do their part for reproducibility. <i>Nature</i> , 2015, 525, 25-27.	13.7	97
78	Diabetes, leukoencephalopathy and rage. <i>Neurobiology of Disease</i> , 2006, 23, 445-461.	2.1	91
79	Septal elicitation of hippocampal theta rhythm after localized de-afferentation of serotonergic fibers. <i>Brain Research</i> , 1980, 200, 259-269.	1.1	90
80	Stroke: Working toward a Prioritized World Agenda. <i>International Journal of Stroke</i> , 2010, 5, 238-256.	2.9	89
81	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, 1168-1178.	2.9	89
82	A global call for action to include gender in research impact assessment. <i>Health Research Policy and Systems</i> , 2016, 14, 50.	1.1	89
83	Lost in translation: taking neuroprotection from animal models to clinical trials. <i>Experimental Neurology</i> , 2004, 188, 200-204.	2.0	88
84	Neuroprotection by Dimethylallylglycine following Permanent and Transient Focal Cerebral Ischemia in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 132-143.	2.4	88
85	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, 223-228.	0.8	87
86	MR molecular imaging of early endothelial activation in focal ischemia. <i>Annals of Neurology</i> , 2004, 56, 116-120.	2.8	86
87	Leukoaraiosis, intracerebral hemorrhage, and functional outcome after acute stroke thrombolysis. <i>Neurology</i> , 2017, 88, 638-645.	1.5	84
88	Temperature-Regulated Model of Focal Ischemia in the Mouse. <i>Stroke</i> , 2004, 35, 1720-1725.	1.0	83
89	Interobserver Variation of ASPECTS in Real Time. <i>Stroke</i> , 2004, 35, e103-5.	1.0	82
90	Sex-Based Differences in the Effect of Intra-Arterial Treatment of Stroke. <i>Stroke</i> , 2006, 37, 2322-2325.	1.0	82

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91	Acute Intravenousâ€“Intra-Arterial Revascularization Therapy for Severe Ischemic Stroke. <i>Stroke</i> , 2002, 33, 279-282.	1.0	81
92	Top Priorities for Cerebroprotective Studiesâ€“A Paradigm Shift: Report From STAIR XI. <i>Stroke</i> , 2021, 52, 3063-3071.	1.0	78
93	Therapeutic Manipulation of the HIF Hydroxylases. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 481-501.	2.5	75
94	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, 1178-1187.	2.4	72
95	The exact science of stroke thrombolysis and the quiet art of patient selection. <i>Brain</i> , 2013, 136, 3528-3553.	3.7	68
96	The gender effect in stroke thrombolysis. <i>Neurology</i> , 2008, 71, 1080-1083.	1.5	66
97	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, 363-369.	2.4	66
98	Dehydroepiandrosterone (DHEA) reduces neuronal injury in a rat model of global cerebral ischemia. <i>Brain Research</i> , 2001, 888, 263-266.	1.1	65
99	Reprint: Good Laboratory Practice: Preventing Introduction of Bias at the Bench. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 221-223.	2.4	62
100	Septo-hippocampal deafferentation protects CA1 neurons against ischemic injury. <i>Brain Research</i> , 1990, 512, 7-14.	1.1	60
101	Kir6.2-containing ATP-sensitive potassium channels protect cortical neurons from ischemic/anoxic injury in vitro and in vivo. <i>Neuroscience</i> , 2007, 144, 1509-1515.	1.1	60
102	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. <i>Journal of Neuroscience</i> , 2017, 37, 2403-2414.	1.7	58
103	Serotonin Transporter Gene Promoter Region Polymorphism Associated With Poststroke Major Depression. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2006, 18, 96-99.	0.9	56
104	Outcomes of Thrombolysis for Acute Ischemic Stroke in Octogenarians Versus Nonagenarians. <i>Stroke</i> , 2010, 41, 1833-1835.	1.0	56
105	How well does ASPECTS predict the outcome of acute stroke treated with IV tPA?. <i>Neurology</i> , 2006, 67, 516-518.	1.5	55
106	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, 54-59.	1.0	53
107	Tissue plasminogen activator does not increase neuronal damage in rat models of global and focal ischemia. <i>Neurology</i> , 1999, 52, 1381-1381.	1.5	52
108	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, 143-149.	0.7	52

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109	Importance of Preclinical Research in the Development of Neuroprotective Strategies for Ischemic Stroke. <i>JAMA Neurology</i> , 2014, 71, 634.	4.5	52
110	Chapter 8 Antagonism of the NMDA and non-NMDA receptors in global versus focal brain ischemia. <i>Progress in Brain Research</i> , 1993, 96, 125-135.	0.9	51
111	Animal models. <i>British Medical Bulletin</i> , 2000, 56, 307-317.	2.7	50
112	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, 211-214.	1.0	49
113	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, 257-259.	0.3	49
114	Methodology for the Canadian Activase for Stroke Effectiveness Study (CASES). <i>Canadian Journal of Neurological Sciences</i> , 2001, 28, 232-238.	0.3	49
115	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, 951-962.	2.1	49
116	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, 231-237.	1.1	49
117	Inflammatory Stroke Extracellular Vesicles Induce Macrophage Activation. <i>Stroke</i> , 2017, 48, 2292-2296.	1.0	49
118	Identification of calcium channels involved in neuronal injury in rat hippocampal slices subjected to oxygen and glucose deprivation. <i>Brain Research</i> , 1997, 753, 209-218.	1.1	48
119	Advances in Cerebral Ischemia: Experimental Approaches. <i>Neurologic Clinics</i> , 1992, 10, 49-61.	0.8	47
120	Mechanisms of cerebral ischemia: Intracellular cascades and therapeutic interventions. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1996, 10, 139-146.	0.6	44
121	Cellular and Molecular Determinants of Stroke-Induced Changes in Subventricular Zone Cell Migration. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1877-1888.	2.5	44
122	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.	0.9	44
123	Novel method to study pericyte contractility and responses to ischaemia <i>in vitro</i> using electrical impedance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2013-2024.	2.4	44
124	Cerebral blood flow alteration in neuroprotection following cerebral ischaemia. <i>Journal of Physiology</i> , 2011, 589, 4105-4114.	1.3	43
125	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.	1.6	43
126	Intraluminal thrombus of the internal carotid arteries: angiographic demonstration of resolution with anticoagulant therapy alone. <i>Radiology</i> , 1986, 160, 369-373.	3.6	42



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127	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.	1.1	42
128	Neuroprotection achieved with a novel proteasome inhibitor which blocks NF- $\kappa$ B activation. <i>NeuroReport</i> , 2000, 11, 427-430.	0.6	42
129	Complications Associated with Recombinant Tissue Plasminogen Activator Therapy for Acute Ischaemic Stroke. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 155-169.	0.8	42
130	PREDICTORS OF STROKE OUTCOME. <i>Neurologic Clinics</i> , 2000, 18, 455-473.	0.8	41
131	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, 2193-2200.	1.9	41
132	HIF prolyl hydroxylase inhibition prior to transient focal cerebral ischaemia is neuroprotective in mice. <i>Journal of Neurochemistry</i> , 2014, 131, 177-189.	2.1	41
133	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, 1804-1816.	2.4	40
134	Ependymal Ciliary Dysfunction and Reactive Astrocytosis in a Reorganized Subventricular Zone after Stroke. <i>Cerebral Cortex</i> , 2013, 23, 647-659.	1.6	40
135	The Erythropoietin NeuroProtective Effect: Assessment in CABG Surgery (TENPEAKS). <i>Stroke</i> , 2009, 40, 2769-2775.	1.0	39
136	The relative importance of barriers to the prescription of warfarin for nonvalvular atrial fibrillation. <i>Canadian Journal of Cardiology</i> , 2003, 19, 280-4.	0.8	39
137	Therapeutic hypothermia in experimental models of focal and global cerebral ischemia and intracerebral hemorrhage. <i>Expert Review of Neurotherapeutics</i> , 2008, 8, 1255-1268.	1.4	38
138	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.	0.7	38
139	Rapamycin in ischemic stroke: Old drug, new tricks?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 20-35.	2.4	38
140	Circadian Biology and Stroke. <i>Stroke</i> , 2021, 52, 2180-2190.	1.0	38
141	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.	0.9	37
142	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, 4079-4091.	1.3	37
143	A study of the workload and effectiveness of a comprehensive acute stroke service. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 863-865.	0.9	36
144	Organizational Culture in an Academic Health Center. <i>Academic Medicine</i> , 2012, 87, 709-718.	0.8	36

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145	MR Angiography Compared to Conventional Selective Angiography in Acute Stroke. Canadian Journal of Neurological Sciences, 2006, 33, 58-62.	0.3	35
146	Differential Effects of Paracrine Factors on the Survival of Cells of the Neurovascular Unit during Oxygen Glucose Deprivation. International Journal of Stroke, 2015, 10, 407-414.	2.9	35
147	Stroke syndromes and clinical management. QJM - Monthly Journal of the Association of Physicians, 2013, 106, 607-615.	0.2	34
148	Chapter 7 NMDA Antagonists: Their Role in Neuroprotection. International Review of Neurobiology, 1996, 40, 137-171.	0.9	33
149	Endovascular Stroke Treatment Today. American Journal of Neuroradiology, 2011, 32, 238-243.	1.2	33
150	Microarray analysis of the global gene expression profile following hypothermia and transient focal cerebral ischemia. Neuroscience, 2012, 208, 109-122.	1.1	33
151	Do NMDA Antagonists Prevent Neuronal Injury? No.. Archives of Neurology, 1992, 49, 420-421.	4.9	32
152	Failure of the Lipid Peroxidation Inhibitor, U74006F, to Prevent Postischemic Selective Neuronal Injury. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 250-256.	2.4	32
153	Understanding and managing ischemic stroke. Canadian Journal of Physiology and Pharmacology, 2001, 79, 283-296.	0.7	32
154	Neuroprotective effects of 100-Åga-IVA against in vitro ischaemia in the rat hippocampal slice. NeuroReport, 1995, 6, 1617-1620.	0.6	31
155	The probability of middle cerebral artery MRA flow signal abnormality with quantified CT ischaemic change: targets for future therapeutic studies. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 1426-1430.	0.9	31
156	Personalized medical education: Reappraising clinician-scientist training. Science Translational Medicine, 2016, 8, 321fs2.	5.8	31
157	Creating a more supportive and inclusive university culture: a mixed-methods interdisciplinary comparative analysis of medical and social sciences at the University of Oxford. Interdisciplinary Science Reviews, 2019, 44, 166-191.	1.0	30
158	Improving accountability through alignment: the role of academic health science centres and networks in England. BMC Health Services Research, 2014, 14, 24.	0.9	29
159	Effect of Athena SWAN funding incentives on women's research leadership. BMJ, The, 2020, 371, m3975.	3.0	29
160	Alteration in NMDA receptor subunit mRNA expression in vulnerable and resistant regions of in vitro ischemic rat hippocampal slices. Neuroscience Letters, 1997, 232, 87-90.	1.0	28
161	Blocked angiogenesis in Galectin-3 null mice does not alter cellular and behavioral recovery after middle cerebral artery occlusion stroke. Neurobiology of Disease, 2014, 63, 155-164.	2.1	28
162	The role of the endoplasmic reticulum stress response following cerebral ischemia. International Journal of Stroke, 2018, 13, 379-390.	2.9	28

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