Andrew M Demchuk

List of Publications by Year in Descending Order

219 papers	24,897 citations	52 h-index	157 g-index
236 ext. papers	31,341 ext. citations	8.8 avg, IF	6.25 L-index

#	Paper	IF	Citations
219	Association of Stent-Retriever Characteristics in Establishing Successful Reperfusion During Mechanical Thrombectomy : Results from the ESCAPE-NA1 Trial.. *Clinical Neuroradiology*, **2022**, 1	2.7	0
218	Sex-Related Differences in Outcomes After Endovascular Treatment of Patients With Late-Window Stroke.. *Stroke*, **2022**, STROKEAHA121037127	6.7	3
217	Outcome prediction in large vessel occlusion ischemic stroke with or without endovascular stroke treatment: THRIVE-EVT.. *International Journal of Stroke*, **2022**, 17474930221092262	6.3	
216	Histological composition of retrieved emboli in acute ischemic stroke is independent of pre-thrombectomy alteplase use.. *Journal of Stroke and Cerebrovascular Diseases*, **2022**, 31, 106376	2.8	0
215	Correlation Between Computed Tomography-Based Tissue Net Water Uptake and Volumetric Measures of Cerebral Edema After Reperfusion Therapy.. *Stroke*, **2022**, 101161STROKEAHA121037073	6.7	0
214	Sex Differences in Endovascular Treatment for Stroke: A Population-based Analysis. *Canadian Journal of Neurological Sciences*, **2021**, 48, 479-486	1	1
213	Transitioning From Mentee to Mentor: How and When to Start Developing the Skills Needed to Support Others?. *Stroke*, **2021**, 52, e848-e851	6.7	
212	Sex Differences in Diagnosis and Diagnostic Revision of Suspected Minor Cerebral Ischemic Events. *Neurology*, **2021**, 96, e732-e739	6.5	1
211	Radiographic Characteristics of Mild Ischemic Stroke Patients With Visible Intracranial Occlusion: The INTERRSeCT Study. *Stroke*, **2021**, STROKEAHA120030380	6.7	1
210	Thrombectomy for anterior circulation stroke beyond 6 h from time last known well (AURORA): a systematic review and individual patient data meta-analysis. *Lancet, The*, **2021**,	40	15
209	Thrombectomy With and Without Computed Tomography Perfusion Imaging in the Early Time Window: A Pooled Analysis of Patient-Level Data. *Stroke*, **2021**, STROKEAHA121034331	6.7	0
208	Hematoma Expansion and Clinical Outcomes in Patients With Factor-Xa Inhibitor-Related Atraumatic Intracerebral Hemorrhage Treated Within the ANNEXA-4 Trial Versus Real-World Usual Care. *Stroke*, **2021**, STROKEAHA121034572	6.7	2
207	Vertebral to Basilar Thrombus Migration Post Intravenous Thrombolysis. *Canadian Journal of Neurological Sciences*, **2021**, 1-10	1	
206	Associations of Early Systolic Blood Pressure Control and Outcome After Thrombolysis-Eligible Acute Ischemic Stroke: Results From the ENCHANTED Study. *Stroke*, **2021**, STROKEAHA121034580	6.7	0
205	Comparative effects of intensive-blood pressure versus standard-blood pressure-lowering treatment in patients with severe ischemic stroke in the ENCHANTED trial. *Journal of Hypertension*, **2021**, 39, 280-285	1.9	8
204	Economic Evaluation of Andexanet Versus Prothrombin Complex Concentrate for Reversal of Factor Xa-Associated Intracranial Hemorrhage. *Stroke*, **2021**, 52, 1390-1397	6.7	4
203	Per pass analysis of thrombus composition retrieved by mechanical thrombectomy. *Interventional Neuroradiology*, **2021**, 27, 815-820	1.9	7

202	Health-Related Quality of Life Among Patients With Acute Ischemic Stroke and Large Vessel Occlusion in the ESCAPE Trial. *Stroke*, **2021**, 52, 1636-1642	6.7	2
201	Which Acute Ischemic Stroke Patients Are Fast Progressors?: Results From the ESCAPE Trial Control Arm. *Stroke*, **2021**, 52, 1847-1850	6.7	3
200	Histological evaluation of acute ischemic stroke thrombi may indicate the occurrence of vessel wall injury during mechanical thrombectomy. *Journal of NeuroInterventional Surgery*, **2021**,	7.8	5
199	The Story of Intracerebral Hemorrhage: From Recalcitrant to Treatable Disease. *Stroke*, **2021**, 52, 1905-1914	6.7	9
198	Automated Prediction of Ischemic Brain Tissue Fate from Multiphase Computed Tomographic Angiography in Patients with Acute Ischemic Stroke Using Machine Learning. *Journal of Stroke*, **2021**, 23, 234-243	5.6	3
197	Prediction of Clinical Outcomes in Acute Ischaemic Stroke Patients: A Comparative Study. *Frontiers in Neurology*, **2021**, 12, 663899	4.1	0
196	Thrombolysis outcomes according to arterial characteristics of acute ischemic stroke by alteplase dose and blood pressure target. *International Journal of Stroke*, **2021**, 17474930211025436	6.3	
195	Healthy Life-Year Costs of Treatment Speed From Arrival to Endovascular Thrombectomy in Patients With Ischemic Stroke: A Meta-analysis of Individual Patient Data From 7 Randomized Clinical Trials. *JAMA Neurology*, **2021**, 78, 709-717	17.2	6
194	Hemostatic Efficacy and Anti-FXa (Factor Xa) Reversal With Andexanet Alfa in Intracranial Hemorrhage: ANNEXA-4 Substudy. *Stroke*, **2021**, 52, 2096-2105	6.7	5
193	Effect of Implantable vs Prolonged External Electrocardiographic Monitoring on Atrial Fibrillation Detection in Patients With Ischemic Stroke: The PER DIEM Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2021**, 325, 2160-2168	27.4	28
192	Strength of Association between Infarct Volume and Clinical Outcome Depends on the Magnitude of Infarct Size: Results from the ESCAPE-NA1 Trial. *American Journal of Neuroradiology*, **2021**, 42, 1375-1379	4.4	2
191	Intensive versus guideline-recommended blood pressure reduction in acute lacunar stroke with intravenous thrombolysis therapy: The ENCHANTED trial. *European Journal of Neurology*, **2021**, 28, 783-793	6	5
190	Thrombus Migration and Fragmentation After Intravenous Alteplase Treatment: The INTERRSeCT Study. *Stroke*, **2021**, 52, 203-212	6.7	6
189	Clinical outcomes of isolated deep grey matter infarcts after endovascular treatment of large vessel occlusion stroke. *Neuroradiology*, **2021**, 63, 1463-1469	3.2	0
188	Low-Dose vs Standard-Dose Alteplase in Acute Lacunar Ischemic Stroke: The ENCHANTED Trial. *Neurology*, **2021**, 96, e1512-e1526	6.5	5
187	A Detailed Analysis of Infarct Patterns and Volumes at 24-hour Noncontrast CT and Diffusion-weighted MRI in Acute Ischemic Stroke Due to Large Vessel Occlusion: Results from the ESCAPE-NA1 Trial. *Radiology*, **2021**, 300, 152-159	20.5	3
186	Cerebral Edema in Patients With Large Hemispheric Infarct Undergoing Reperfusion Treatment: A HERMES Meta-Analysis. *Stroke*, **2021**, 52, 3450-3458	6.7	4
185	Radiologic Patterns of Intracranial Hemorrhage and Clinical Outcome after Endovascular Treatment in Acute Ischemic Stroke: Results from the ESCAPE-NA1 Trial. *Radiology*, **2021**, 300, 402-409	20.5	3

184	Intraparenchymal haemorrhages as a primary outcome measure. *Lancet Neurology, The*, **2021**, 20, 595	24.1	
183	Return on Investment in Endovascular Care: The Case of Endovascular Reperfusion Alberta. *Canadian Journal of Neurological Sciences*, **2021**, 1-7	1	0
182	Sonothrombolysis in Patients With Acute Ischemic Stroke With Large Vessel Occlusion: An Individual Patient Data Meta-Analysis. *Stroke*, **2021**, 52, 3786-3795	6.7	1
181	Assessment of Optimal Patient Selection for Endovascular Thrombectomy Beyond 6 Hours After Symptom Onset: A Pooled Analysis of the AURORA Database. *JAMA Neurology*, **2021**, 78, 1064-1071	17.2	8
180	Determinants of Leptomeningeal Collateral Status Variability in Ischemic Stroke Patients. *Canadian Journal of Neurological Sciences*, **2021**, 1-7	1	0
179	Prediction of Outcome and Endovascular Treatment Benefit: Validation and Update of the MR PREDICTS Decision Tool. *Stroke*, **2021**, 52, 2764-2772	6.7	4
178	A Prospective Economic Evaluation of Rapid Endovascular Therapy for Acute Ischemic Stroke. *Canadian Journal of Neurological Sciences*, **2021**, 1-8	1	1
177	Therapeutic Hypothermia in Acute Ischemic Stroke-a Systematic Review and Meta-Analysis. *Current Neurology and Neuroscience Reports*, **2020**, 20, 13	6.6	11
176	Osmotherapy for malignant cerebral edema in a phase 2 prospective, double blind, randomized, placebo-controlled study of IV glibenclamide. *Journal of Stroke and Cerebrovascular Diseases*, **2020**, 29, 104916	2.8	2
175	Thrombolysis Outcomes in Acute Ischemic Stroke by Fluid-Attenuated Inversion Recovery Hyperintense Arteries. *Stroke*, **2020**, 51, 2240-2243	6.7	5
174	Structural integrity of white matter tracts as a predictor of acute ischemic stroke outcome. *International Journal of Stroke*, **2020**, 15, 965-972	6.3	3
173	Recanalization following Endovascular treatment and imaging of PErfusion, Regional inFarction and atrophy to Understand Stroke Evolution-NA1 (REPERFUSE-NA1). *International Journal of Stroke* , **2020**, 15, 343-349	6.3	1
172	Therapeutic Hypothermia in Patients with Malignant Ischemic Stroke and Hemicraniectomy-A Systematic Review and Meta-analysis. *World Neurosurgery*, **2020**, 141, e677-e685	2.1	3
171	Efficacy and safety of nerinetide for the treatment of acute ischaemic stroke (ESCAPE-NA1): a multicentre, double-blind, randomised controlled trial. *Lancet, The*, **2020**, 395, 878-887	40	189
170	From "Time is Brain" to "Imaging is Brain": A Paradigm Shift in the Management of Acute Ischemic Stroke. *Journal of Neuroimaging*, **2020**, 30, 562-571	2.8	23
169	Machine Learning for Detecting Early Infarction in Acute Stroke with Non-Contrast-enhanced CT. *Radiology*, **2020**, 294, 638-644	20.5	41
168	Endovascular Treatment Decisions in Patients with M2 Segment MCA Occlusions. *American Journal of Neuroradiology*, **2020**, 41, 280-285	4.4	21
167	Clinical prognosis of FLAIR hyperintense arteries in ischaemic stroke patients: a systematic review and meta-analysis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 475-482	5.5	4

166	Comparison of different methods of thrombus permeability measurement and impact on recanalization in the INTERRSeCT multinational multicenter prospective cohort study. *Neuroradiology*, **2020**, 62, 301-306	3.2	2
165	Imaging Triage of Patients with Late-Window (6-24 Hours) Acute Ischemic Stroke: A Comparative Study Using Multiphase CT Angiography versus CT Perfusion. *American Journal of Neuroradiology*, **2020**, 41, 129-133	4.4	11
164	Temporal evolution and spatial distribution of quantitative T2 MRI following acute ischemia reperfusion injury. *International Journal of Stroke*, **2020**, 15, 495-506	6.3	2
163	Dynamic CTA-Derived Perfusion Maps Predict Final Infarct Volume: The Simple Perfusion Reconstruction Algorithm. *American Journal of Neuroradiology*, **2020**, 41, 2034-2040	4.4	7
162	Thrombectomy vs medical management in low NIHSS acute anterior circulation stroke. *Neurology*, **2020**, 95, e3364-e3372	6.5	13
161	Prevalence and the predictive performance of the dynamic CT-angiography spot sign in an observational cohort with intracerebral hemorrhage. *Medicine (United States)*, **2020**, 99, e23278	1.8	1
160	Predictors and prognoses of Willisian collateral failure during mechanical thrombectomy. *Scientific Reports*, **2020**, 10, 20874	4.9	2
159	Endovascular Therapy in Mild Ischemic Strokes Presenting Under 6 hours: An International Survey. *Journal of Stroke and Cerebrovascular Diseases*, **2020**, 29, 105234	2.8	2
158	Public health and cost consequences of time delays to thrombectomy for acute ischemic stroke. *Neurology*, **2020**, 95, e2465-e2475	6.5	19
157	Defining reperfusion post endovascular therapy in ischemic stroke using MR-dynamic contrast enhanced perfusion. *British Journal of Radiology*, **2020**, 93, 20190890	3.4	
156	Comprehensive assessment of disability post-stroke using the newly developed miFUNCTION scale. *International Journal of Stroke*, **2020**, 15, 167-174	6.3	2
155	National trends in hospital admission, case fatality, and sex differences in atrial fibrillation-related strokes. *International Journal of Stroke*, **2020**, 15, 521-527	6.3	
154	Therapeutic hypothermia: Applications in adults with acute ischemic stroke. *Brain Circulation*, **2019**, 5, 43-54	2.7	19
153	Rate and Prognosis of Brain Ischemia in Patients With Lower-Risk Transient or Persistent Minor Neurologic Events. *JAMA Neurology*, **2019**, 76, 1439-1445	17.2	35
152	Imaging of Patients with Suspected Large-Vessel Occlusion at Primary Stroke Centers: Available Modalities and a Suggested Approach. *American Journal of Neuroradiology*, **2019**, 40, 396-400	4.4	9
151	Independent Validation of the Hematoma Expansion Prediction Score: A Non-contrast Score Equivalent in Accuracy to the Spot Sign. *Neurocritical Care*, **2019**, 31, 1-8	3.3	6
150	Platelet-Rich Emboli in Cerebral Large Vessel Occlusion Are Associated With a Large Artery Atherosclerosis Source. *Stroke*, **2019**, 50, 1907-1910	6.7	33
149	STAIR X: Trial Design Considerations and Additional Populations to Expand Indications for Endovascular Treatment. *Stroke*, **2019**, STROKEAHA119024337	6.7	4

148	Ischemic Diffusion Lesion Reversal After Endovascular Treatment. *Stroke*, **2019**, 50, 1504-1509	6.7	24
147	Automated brain extraction from head CT and CTA images using convex optimization with shape propagation. *Computer Methods and Programs in Biomedicine*, **2019**, 176, 1-8	6.9	7
146	Safety and efficacy of sonothrombolysis for acute ischaemic stroke: a multicentre, double-blind, phase 3, randomised controlled trial. *Lancet Neurology, The*, **2019**, 18, 338-347	24.1	37
145	Clot Burden Score and Early Ischemia Predict Intracranial Hemorrhage following Endovascular Therapy. *American Journal of Neuroradiology*, **2019**, 40, 655-660	4.4	1
144	Intensive blood pressure reduction with intravenous thrombolysis therapy for acute ischaemic stroke (ENCHANTED): an international, randomised, open-label, blinded-endpoint, phase 3 trial. *Lancet, The*, **2019**, 393, 877-888	40	117
143	Full Study Report of Andexanet Alfa for Bleeding Associated with Factor Xa Inhibitors. *New England Journal of Medicine*, **2019**, 380, 1326-1335	59.2	431
142	Accuracy and Reliability of Multiphase CTA Perfusion for Identifying Ischemic Core. *Clinical Neuroradiology*, **2019**, 29, 543-552	2.7	6
141	Does Sex Modify the Effect of Endovascular Treatment for Ischemic Stroke?. *Stroke*, **2019**, 50, 2413-2419	6.7	32
140	Effect of Recombinant Activated Coagulation Factor VII on Hemorrhage Expansion Among Patients With Spot Sign-Positive Acute Intracerebral Hemorrhage: The SPOTLIGHT and STOP-IT Randomized Clinical Trials. *JAMA Neurology*, **2019**, 76, 1493-1501	17.2	42
139	New and expanding ventricular hemorrhage predicts poor outcome in acute intracerebral hemorrhage. *Neurology*, **2019**, 93, e879-e888	6.5	25
138	Standards for Detecting, Interpreting, and Reporting Noncontrast Computed Tomographic Markers of Intracerebral Hemorrhage Expansion. *Annals of Neurology*, **2019**, 86, 480-492	9.4	57
137	Stroke Laterality Did Not Modify Outcomes in the HERMES Meta-Analysis of Individual Patient Data of 7 Trials. *Stroke*, **2019**, 50, 2118-2124	6.7	14
136	Glucose Modifies the Effect of Endovascular Thrombectomy in Patients With Acute Stroke. *Stroke*, **2019**, 50, 690-696	6.7	30
135	Selective brain cooling: Let us have a moment of science. *Journal of Cerebral Blood Flow and Metabolism*, **2019**, 39, 182-183	7.3	6
134	eTICI reperfusion: defining success in endovascular stroke therapy. *Journal of NeuroInterventional Surgery*, **2019**, 11, 433-438	7.8	131
133	Radiomics-Based Intracranial Thrombus Features on CT and CTA Predict Recanalization with Intravenous Alteplase in Patients with Acute Ischemic Stroke. *American Journal of Neuroradiology*, **2019**, 40, 39-44	4.4	28
132	Penumbral imaging and functional outcome in patients with anterior circulation ischaemic stroke treated with endovascular thrombectomy versus medical therapy: a meta-analysis of individual patient-level data. *Lancet Neurology, The*, **2019**, 18, 46-55	24.1	156
131	Mediation of the Relationship Between Endovascular Therapy and Functional Outcome by Follow-up Infarct Volume in Patients With Acute Ischemic Stroke. *JAMA Neurology*, **2019**, 76, 194-202	17.2	41

130	Automated ASPECTS on Noncontrast CT Scans in Patients with Acute Ischemic Stroke Using Machine Learning. *American Journal of Neuroradiology*, **2019**, 40, 33-38	4.4	48
129	Diffusion-Weighted MRI Stroke Volume Following Recanalization Treatment is Threshold-Dependent. *Clinical Neuroradiology*, **2019**, 29, 135-141	2.7	9
128	Primary to comprehensive stroke center transfers: Appropriateness, not futility. *International Journal of Stroke*, **2018**, 13, 550-553	6.3	10
127	Secondary stroke prevention services in Canada: a cross-sectional survey and geospatial analysis of resources, capacity and geographic access. *CMAJ Open*, **2018**, 6, E95-E102	2.5	8
126	Thrombolytic therapies for ischemic stroke: Triumphs and future challenges. *Neuropharmacology*, **2018**, 134, 272-279	5.5	44
125	Computed tomographic angiography in stroke and high-risk transient ischemic attack: Do not leave the emergency department without it!. *International Journal of Stroke*, **2018**, 13, 673-686	6.3	2
124	Association of follow-up infarct volume with functional outcome in acute ischemic stroke: a pooled analysis of seven randomized trials. *Journal of NeuroInterventional Surgery*, **2018**, 10, 1137-1142	7.8	54
123	Thrombectomy for Stroke at 6 to 16 Hours with Selection by Perfusion Imaging. *New England Journal of Medicine*, **2018**, 378, 708-718	59.2	2185
122	Lack of Early Improvement Predicts Poor Outcome Following Acute Intracerebral Hemorrhage. *Critical Care Medicine*, **2018**, 46, e310-e317	1.4	10
121	Posttreatment Infarct Volumes when Compared with 24-Hour and 90-Day Clinical Outcomes: Insights from the REVASCAT Randomized Controlled Trial. *American Journal of Neuroradiology*, **2018**, 39, 107-110	4.4	18
120	Clinical and Technological Approaches to the Prehospital Diagnosis of Large Vessel Occlusion. *Stroke*, **2018**, 49, 1036-1043	6.7	14
119	Acute ischemic stroke with tandem lesions: technical endovascular management and clinical outcomes from the ESCAPE trial. *Journal of NeuroInterventional Surgery*, **2018**, 10, 429-433	7.8	50
118	Impact of varying levels of hyperglycemia on clinicoradiographic outcomes after endovascular reperfusion treatment. *Scientific Reports*, **2018**, 8, 9832	4.9	4
117	Symptomatic intracranial atherosclerotic disease: an ultrasound 2-year follow-up pilot study. *Neurological Sciences*, **2018**, 39, 1955-1959	3.5	5
116	Computed Tomographic Perfusion Predicts Poor Outcomes in a Randomized Trial of Endovascular Therapy. *Stroke*, **2018**, 49, 1426-1433	6.7	22
115	Absolute risk and predictors of the growth of acute spontaneous intracerebral haemorrhage: a systematic review and meta-analysis of individual patient data. *Lancet Neurology, The*, **2018**, 17, 885-894	24.1	142
114	Tenacity of Collateral Perfusion in Proximal Cerebral Arterial Occlusions 6-12 h after Onset. *Cerebrovascular Diseases*, **2018**, 45, 263-269	3.2	3
113	Temporal Changes in Care Processes and Outcomes for Endovascular Treatment of Acute Ischemic Stroke: Retrospective Registry Data from Three Korean Centers. *Neurointervention*, **2018**, 13, 2-12	1.4	17

112	Prognosis of Acute Intracranial Atherosclerosis-Related Occlusion after Endovascular Treatment. *Journal of Stroke*, **2018**, 20, 394-403	5.6	47
111	Effect of general anaesthesia on functional outcome in patients with anterior circulation ischaemic stroke having endovascular thrombectomy versus standard care: a meta-analysis of individual patient data. *Lancet Neurology, The*, **2018**, 17, 47-53	24.1	138
110	Time for a Time Window Extension: Insights from Late Presenters in the ESCAPE Trial. *American Journal of Neuroradiology*, **2018**, 39, 102-106	4.4	20
109	Do Intracerebral Hemorrhage Nonexpanders Actually Expand Into the Ventricular Space?. *Stroke*, **2018**, 49, 201-203	6.7	9
108	Resting-State Functional Connectivity Magnetic Resonance Imaging and Outcome After Acute Stroke. *Stroke*, **2018**, 49, 2353-2360	6.7	35
107	Modeling Stroke Patient Transport for All Patients With Suspected Large-Vessel Occlusion. *JAMA Neurology*, **2018**, 75, 1477-1486	17.2	86
106	Volumetric and Spatial Accuracy of Computed Tomography Perfusion Estimated Ischemic Core Volume in Patients With Acute Ischemic Stroke. *Stroke*, **2018**, 49, 2368-2375	6.7	38
105	Imaging features and safety and efficacy of endovascular stroke treatment: a meta-analysis of individual patient-level data. *Lancet Neurology, The*, **2018**, 17, 895-904	24.1	179
104	Association of Clinical, Imaging, and Thrombus Characteristics With Recanalization of Visible Intracranial Occlusion in Patients With Acute Ischemic Stroke. *JAMA - Journal of the American Medical Association*, **2018**, 320, 1017-1026	27.4	110
103	Proposed methodology and classification of Infarct in New Territory (INT) after endovascular stroke treatment. *Journal of NeuroInterventional Surgery*, **2017**, 9, 449-450	7.8	16
102	Improving Door-to-Needle Times for Acute Ischemic Stroke: Effect of Rapid Patient Registration, Moving Directly to Computed Tomography, and Giving Alteplase at the Computed Tomography Scanner. *Circulation: Cardiovascular Quality and Outcomes*, **2017**, 10,	5.8	39
101	Defining the Role of the Stroke Physician During Endovascular Therapy of Acute Ischemic Stroke. *Stroke*, **2017**, 48, 805-807	6.7	6
100	Observed Cost and Variations in Short Term Cost-Effectiveness of Therapy for Ischemic Stroke in Interventional Management of Stroke (IMS) III. *Journal of the American Heart Association*, **2017**, 6,	6	11
99	Use of Noncontrast Computed Tomography and Computed Tomographic Perfusion in Predicting Intracerebral Hemorrhage After Intravenous Alteplase Therapy. *Stroke*, **2017**, 48, 1548-1553	6.7	11
98	Low- Versus Standard-Dose Alteplase in Patients on Prior Antiplatelet Therapy: The ENCHANTED Trial (Enhanced Control of Hypertension and Thrombolysis Stroke Study). *Stroke*, **2017**, 48, 1877-1883	6.7	32
97	Neurons Over Nephrons: Systematic Review and Meta-Analysis of Contrast-Induced Nephropathy in Patients With Acute Stroke. *Stroke*, **2017**, 48, 1862-1868	6.7	54
96	Analyses of thrombi in acute ischemic stroke: A consensus statement on current knowledge and future directions. *International Journal of Stroke*, **2017**, 12, 606-614	6.3	101
95	Use of Evidence-Based Therapy for Cardiovascular Risk Factors in Canadian Outpatients With Atrial Fibrillation: From the Facilitating Review and Education to Optimize Stroke Prevention in Atrial Fibrillation (FREEDOM AF) and Co-ordinated National Network to Engage Physicians in the Care and Treatment of Patients With Atrial Fibrillation (CONNECT AF). *American Journal of Cardiology*, **2017**, 120, 582-587	3	6

94	Regional Comparison of Multiphase Computed Tomographic Angiography and Computed Tomographic Perfusion for Prediction of Tissue Fate in Ischemic Stroke. *Stroke*, **2017**, 48, 939-945	6.7	31
93	Vessel Patency at 24 Hours and Its Relationship With Clinical Outcomes and Infarct Volume in REVASCAT Trial (Randomized Trial of Revascularization With Solitaire FR Device Versus Best Medical Therapy in the Treatment of Acute Stroke Due to Anterior Circulation Large Vessel	6.7	28
92	Early Trajectory of Stroke Severity Predicts Long-Term Functional Outcomes in Ischemic Stroke Subjects: Results From the ESCAPE Trial (Endovascular Treatment for Small Core and Anterior Circulation Proximal Occlusion With Emphasis on Minimizing CT to Recanalization Times). *Stroke*, **2017**, 48, 105-110	6.7	35
91	Low-Dose vs Standard-Dose Alteplase for Patients With Acute Ischemic Stroke: Secondary Analysis of the ENCHANTED Randomized Clinical Trial. *JAMA Neurology*, **2017**, 74, 1328-1335	17.2	16
90	Minimal sufficient balance randomization for sequential randomized controlled trial designs: results from the ESCAPE trial. *Trials*, **2017**, 18, 516	2.8	5
89	Improving reperfusion time within the ESCAPE Endovascular Clinical Trial. *European Stroke Journal*, **2017**, 2, 64-69	5.6	5
88	Collateral Scoring on CT Angiogram Must Evaluate Phase and Regional Pattern. *Canadian Journal of Neurological Sciences*, **2017**, 44, 503-507	1	5
87	Approaches to the field recognition of potential thrombectomy candidates. *International Journal of Stroke*, **2017**, 12, 698-707	6.3	4
86	Multiphase CT Angiography Improves Prediction of Intracerebral Hemorrhage Expansion. *Radiology* , **2017**, 285, 932-940	20.5	16
85	Association of fibrinogen level with early neurological deterioration among acute ischemic stroke patients with diabetes. *BMC Neurology*, **2017**, 17, 101	3.1	26
84	Endovascular Therapy of M2 Occlusion in IMS III: Role of M2 Segment Definition and Location on Clinical and Revascularization Outcomes. *American Journal of Neuroradiology*, **2017**, 38, 84-89	4.4	23
83	Location of intracerebral haemorrhage predicts haematoma expansion. *European Stroke Journal*, **2017**, 2, 257-263	5.6	11
82	Predictors of 30-day mortality and the risk of recurrent systemic thromboembolism in cancer patients suffering acute ischemic stroke. *PLoS ONE*, **2017**, 12, e0172793	3.7	19
81	Effect of Intracranial Atherosclerotic Disease on Endovascular Treatment for Patients with Acute Vertebrobasilar Occlusion. *American Journal of Neuroradiology*, **2016**, 37, 2072-2078	4.4	83
80	Visual aid tool to improve decision making in acute stroke care. *International Journal of Stroke*, **2016**, 11, 868-873	6.3	7
79	Ultraearly hematoma growth in active intracerebral hemorrhage. *Neurology*, **2016**, 87, 357-64	6.5	41
78	Multiphase CT angiography increases detection of anterior circulation intracranial occlusion. *Neurology*, **2016**, 87, 609-16	6.5	46
77	Infarct in a New Territory After Treatment Administration in the ESCAPE Randomized Controlled Trial (Endovascular Treatment for Small Core and Anterior Circulation Proximal Occlusion With Emphasis on Minimizing CT to Recanalization Times). *Stroke*, **2016**, 47, 2993-2998	6.7	42

76	Depressive symptoms and functional decline following coronary interventions in older patients with coronary artery disease: a prospective cohort study. *BMC Psychiatry*, **2016**, 16, 277	4.2	6
75	Cerebral Perfusion Pressure is Maintained in Acute Intracerebral Hemorrhage: A CT Perfusion Study. *American Journal of Neuroradiology*, **2016**, 37, 244-51	4.4	10
74	Validating screening tools for depression in stroke and transient ischemic attack patients. *International Journal of Psychiatry in Medicine*, **2016**, 51, 262-77	1	40
73	Does the use of IV tPA in the current era of rapid and predictable recanalization by mechanical embolectomy represent good value?. *Journal of NeuroInterventional Surgery*, **2016**, 8, 443-6	7.8	58
72	Effect of endovascular reperfusion in relation to site of arterial occlusion. *Neurology*, **2016**, 86, 762-70	6.5	28
71	Association Between CT Angiogram Collaterals and CT Perfusion in the Interventional Management of Stroke III Trial. *Stroke*, **2016**, 47, 535-8	6.7	48
70	Comparing Vessel Imaging: Noncontrast Computed Tomography/Computed Tomographic Angiography Should Be the New Minimum Standard in Acute Disabling Stroke. *Stroke*, **2016**, 47, 273-81	6.7	40
69	Endovascular thrombectomy after large-vessel ischaemic stroke: a meta-analysis of individual patient data from five randomised trials. *Lancet, The*, **2016**, 387, 1723-31	40	3398
68	Predicting Intracerebral Hemorrhage Growth With the Spot Sign: The Effect of Onset-to-Scan Time. *Stroke*, **2016**, 47, 695-700	6.7	75
67	Safety and Efficacy of Solitaire Stent Thrombectomy: Individual Patient Data Meta-Analysis of Randomized Trials. *Stroke*, **2016**, 47, 798-806	6.7	166
66	Intra-Arterial Therapy and Post-Treatment Infarct Volumes: Insights From the ESCAPE Randomized Controlled Trial. *Stroke*, **2016**, 47, 777-81	6.7	43
65	Endovascular Therapy in Acute Ischemic Stroke: Challenges and Transition From Trials to Bedside. *Stroke*, **2016**, 47, 548-53	6.7	49
64	Magnitude of Hematoma Volume Measurement Error in Intracerebral Hemorrhage. *Stroke*, **2016**, 47, 1124-6	6.7	20
63	Near-infrared measurements of brain oxygenation in stroke. *Neurophotonics*, **2016**, 3, 031403	3.9	20
62	Perihematomal Edema Is Greater in the Presence of a Spot Sign but Does Not Predict Intracerebral Hematoma Expansion. *Stroke*, **2016**, 47, 350-5	6.7	9
61	Imaging Predictors for Atherosclerosis-Related Intracranial Large Artery Occlusions in Acute Anterior Circulation Stroke. *Journal of Stroke*, **2016**, 18, 352-354	5.6	17
60	Differentiating Carotid Terminus Occlusions into Two Distinct Populations Based on Willisian Collateral Status. *Journal of Stroke*, **2016**, 18, 179-86	5.6	22
59	History, Evolution, and Importance of Emergency Endovascular Treatment of Acute Ischemic Stroke. *Current Neurology and Neuroscience Reports*, **2016**, 16, 42	6.6	9

58	Small intracerebral hemorrhages have a low spot sign prevalence and are less likely to expand. *International Journal of Stroke*, **2016**, 11, 191-7	6.3	16
57	Acute Stroke Imaging Research Roadmap III Imaging Selection and Outcomes in Acute Stroke Reperfusion Clinical Trials: Consensus Recommendations and Further Research Priorities. *Stroke*, **2016**, 47, 1389-98	6.7	77
56	Multimodal CT Imaging: Time to Treatment and Outcomes in the IMS III Trial. *American Journal of Neuroradiology*, **2016**, 37, 1393-8	4.4	11
55	Low-Dose versus Standard-Dose Intravenous Alteplase in Acute Ischemic Stroke. *New England Journal of Medicine*, **2016**, 374, 2313-23	59.2	259
54	Analysis of Workflow and Time to Treatment on Thrombectomy Outcome in the Endovascular Treatment for Small Core and Proximal Occlusion Ischemic Stroke (ESCAPE) Randomized, Controlled Trial. *Circulation*, **2016**, 133, 2279-86	16.7	176
53	Time to Treatment With Endovascular Thrombectomy and Outcomes From Ischemic Stroke: A Meta-analysis. *JAMA - Journal of the American Medical Association*, **2016**, 316, 1279-88	27.4	1091
52	Endovascular treatment for Small Core and Anterior circulation Proximal occlusion with Emphasis on minimizing CT to recanalization times (ESCAPE) trial: methodology. *International Journal of Stroke*, **2015**, 10, 429-38	6.3	97
51	Blood-brain barrier compromise does not predict perihematoma edema growth in intracerebral hemorrhage. *Stroke*, **2015**, 46, 954-60	6.7	11
50	Occult anterograde flow is an under-recognized but crucial predictor of early recanalization with intravenous tissue-type plasminogen activator. *Stroke*, **2015**, 46, 968-75	6.7	34
49	Twelve-Month Clinical and Quality-of-Life Outcomes in the Interventional Management of Stroke III Trial. *Stroke*, **2015**, 46, 1321-7	6.7	18
48	Endovascular Therapy of Cerebral Arterial Occlusions: Intracranial Atherosclerosis versus Embolism. *Journal of Stroke and Cerebrovascular Diseases*, **2015**, 24, 2074-80	2.8	83
47	Thrombectomy within 8 hours after symptom onset in ischemic stroke. *New England Journal of Medicine*, **2015**, 372, 2296-306	59.2	3084
46	Rationale, design, and progress of the ENhanced Control of Hypertension ANd Thrombolysis strokE stuDy (ENCHANTED) trial: An international multicenter 2 □2 quasi-factorial randomized controlled trial of low- vs. standard-dose rt-PA and early intensive vs. guideline-recommended blood pressure lowering in patients with acute ischaemic stroke eligible for thrombolysis treatment. *International Journal of Stroke*, **2015**, 10, 778-88	6.3	69
45	Endovascular Therapy Is Effective and Safe for Patients With Severe Ischemic Stroke: Pooled Analysis of Interventional Management of Stroke III and Multicenter Randomized Clinical Trial of Endovascular Therapy for Acute Ischemic Stroke in the Netherlands Data. *Stroke*, **2015**, 46, 3416-22	6.7	35
44	Ischemic Stroke Tissue-Window in the New Era of Endovascular Treatment. *Stroke*, **2015**, 46, 2332-4	6.7	32
43	Intracerebral Hematoma Morphologic Appearance on Noncontrast Computed Tomography Predicts Significant Hematoma Expansion. *Stroke*, **2015**, 46, 3111-6	6.7	76
42	Validation of the 9-Point and 24-Point Hematoma Expansion Prediction Scores and Derivation of the PREDICT A/B Scores. *Stroke*, **2015**, 46, 3105-10	6.7	48
41	Time-Dependent Computed Tomographic Perfusion Thresholds for Patients With Acute Ischemic Stroke. *Stroke*, **2015**, 46, 3390-7	6.7	83

40	Differential Effect of Baseline Computed Tomographic Angiography Collaterals on Clinical Outcome in Patients Enrolled in the Interventional Management of Stroke III Trial. *Stroke*, **2015**, 46, 1239-44	6.7	90
39	Endovascular revascularization results in IMS III: intracranial ICA and M1 occlusions. *Journal of NeuroInterventional Surgery*, **2015**, 7, 795-802	7.8	28
38	International survey of acute stroke imaging used to make revascularization treatment decisions. *International Journal of Stroke*, **2015**, 10, 759-62	6.3	40
37	Combined lysis of thrombus with ultrasound and systemic tissue plasminogen activator for emergent revascularization in acute ischemic stroke (CLOTBUST-ER): design and methodology of a multinational phase 3 trial. *International Journal of Stroke*, **2015**, 10, 1141-8	6.3	32
36	Endovascular therapy for ischemic stroke. *Journal of Clinical Neurology (Korea*, **2015**, 11, 1-8	1.7	22
35	Tenecteplase-tissue-type plasminogen activator evaluation for minor ischemic stroke with proven occlusion. *Stroke*, **2015**, 46, 769-74	6.7	75
34	Final infarct volume estimation on 1-week follow-up MR imaging is feasible and is dependent on recanalization status. *NeuroImage: Clinical*, **2015**, 7, 1-6	5.3	19
33	Randomized assessment of rapid endovascular treatment of ischemic stroke. *New England Journal of Medicine*, **2015**, 372, 1019-30	59.2	3779
32	Risk stratification and stroke prevention therapy care gaps in Canadian atrial fibrillation patients (from the Co-ordinated National Network to Engage Physicians in the Care and Treatment of Patients With Atrial Fibrillation chart audit). *American Journal of Cardiology*, **2015**, 115, 641-6	3	13
31	Multiphase CT Angiography: A New Tool for the Imaging Triage of Patients with Acute Ischemic Stroke. *Radiology*, **2015**, 275, 510-20	20.5	384
30	Choosing a Hyperacute Stroke Imaging Protocol for Proper Patient Selection and Time Efficient Endovascular Treatment: Lessons from Recent Trials. *Journal of Stroke*, **2015**, 17, 221-8	5.6	26
29	Central nervous system imaging in diabetic cerebrovascular diseases and white matter hyperintensities. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2014**, 126, 291-315	3	6
28	Acute blood pressure reduction in patients with intracerebral hemorrhage does not result in borderzone region hypoperfusion. *Stroke*, **2014**, 45, 2894-9	6.7	22
27	Dynamic characterization of the CT angiographic Rspot signR. *PLoS ONE*, **2014**, 9, e90431	3.7	20
26	2C or not 2C: defining an improved revascularization grading scale and the need for standardization of angiography outcomes in stroke trials. *Journal of NeuroInterventional Surgery*, **2014**, 6, 83-6	7.8	136
25	Not all "successful" angiographic reperfusion patients are an equal validation of a modified TICI scoring system. *Interventional Neuroradiology*, **2014**, 20, 21-7	1.9	87
24	Evolution of practice during the Interventional Management of Stroke III Trial and implications for ongoing trials. *Stroke*, **2014**, 45, 3606-11	6.7	8
23	Recanalization and clinical outcome of occlusion sites at baseline CT angiography in the Interventional Management of Stroke III trial. *Radiology*, **2014**, 273, 202-10	20.5	122

22	Evaluation of interval times from onset to reperfusion in patients undergoing endovascular therapy in the Interventional Management of Stroke III trial. *Circulation*, **2014**, 130, 265-72	16.7	83
21	Overcoming the evening/weekend effects on time delays and outcomes of endovascular stroke therapy: the Calgary Stroke Program experience. *Journal of NeuroInterventional Surgery*, **2014**, 6, 729-32	7.8	24
20	Consistently achieving computed tomography to endovascular recanalization . *Stroke*, **2014**, 45, e252-6	6.7	53
19	Endovascular therapy after intravenous t-PA versus t-PA alone for stroke. *New England Journal of Medicine*, **2013**, 368, 893-903	59.2	1376
18	Recommendations on angiographic revascularization grading standards for acute ischemic stroke: a consensus statement. *Stroke*, **2013**, 44, 2650-63	6.7	884
17	Assessment of leptomeningeal collaterals using dynamic CT angiography in patients with acute ischemic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2013**, 33, 365-71	7.3	117
16	Perfusion MR predicts outcome in high-risk transient ischemic attack/minor stroke: a derivation-validation study. *Stroke*, **2013**, 44, 2486-92	6.7	32
15	Imaging-based selection in acute ischemic stroke trials - a quest for imaging sweet spots. *Annals of the New York Academy of Sciences*, **2012**, 1268, 63-71	6.5	19
14	Thrombolytic therapy for acute ischaemic stroke: what can we do to improve outcomes?. *Drugs*, **2012**, 72, 1833-45	12.1	1
13	CT/CT angiography and MRI findings predict recurrent stroke after transient ischemic attack and minor stroke: results of the prospective CATCH study. *Stroke*, **2012**, 43, 1013-7	6.7	140
12	Low rates of acute recanalization with intravenous recombinant tissue plasminogen activator in ischemic stroke: real-world experience and a call for action. *Stroke*, **2010**, 41, 2254-8	6.7	511
11	Factors associated with intracerebral hemorrhage after thrombolytic therapy for ischemic stroke: pooled analysis of placebo data from the Stroke-Acute Ischemic NXY Treatment (SAINT) I and SAINT II Trials. *Stroke*, **2009**, 40, 3067-72	6.7	75
10	Recurrent events in transient ischemic attack and minor stroke: what events are happening and to which patients?. *Stroke*, **2008**, 39, 2461-6	6.7	63
9	Intracranial thrombus extent predicts clinical outcome, final infarct size and hemorrhagic transformation in ischemic stroke: the clot burden score. *International Journal of Stroke*, **2008**, 3, 230-6	6.3	205
8	The use of neurovascular imaging for triaging TIA and minor stroke: implications for therapy. *Current Treatment Options in Cardiovascular Medicine*, **2006**, 8, 235-41	2.1	1
7	Can we identify a CT-based tissue window for thrombolysis without CTP?. *Annals of Neurology*, **2006** , 59, 437	9.4	2
6	Importance of early ischemic computed tomography changes using ASPECTS in NINDS rtPA Stroke Study. *Stroke*, **2005**, 36, 2110-5	6.7	210
5	Alberta Stroke Program Early CT Score in acute stroke triage. *Neuroimaging Clinics of North America* , **2005**, 15, 409-19, xii	3	33

4	ASPECTS on CTA source images versus unenhanced CT: added value in predicting final infarct extent and clinical outcome. *Stroke*, **2004**, 35, 2472-6	6.7	148
3	Ultrasound-Enhanced Thrombolysis for Acute Ischemic Stroke: Phase I. Findings of the CLOTBUST Trial. *Journal of Neuroimaging*, **2004**, 14, 113-117	2.8	108
2	Ultrasound-Enhanced Thrombolysis for Acute Ischemic Stroke: Phase I. Findings of the CLOTBUST Trial **2004**, 14, 113		50
1	Speed of intracranial clot lysis with intravenous tissue plasminogen activator therapy: sonographic classification and short-term improvement. *Circulation*, **2001**, 103, 2897-902	16.7	246