

# Brian H Buck

## List of Publications by Year in descending order

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114  
papers

10,559  
citations

76196

40  
h-index

32761

100  
g-index

118  
all docs

118  
docs citations

118  
times ranked

11004  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Trial of Imaging Selection and Endovascular Treatment for Ischemic Stroke. <i>New England Journal of Medicine</i> , 2013, 368, 914-923.	13.9	1,269
2	Mechanical Thrombectomy for Acute Ischemic Stroke. <i>Stroke</i> , 2008, 39, 1205-1212.	1.0	1,175
3	Atrial Fibrillation in Patients with Cryptogenic Stroke. <i>New England Journal of Medicine</i> , 2014, 370, 2467-2477.	13.9	1,045
4	Closure of Patent Foramen Ovale versus Medical Therapy after Cryptogenic Stroke. <i>New England Journal of Medicine</i> , 2013, 368, 1092-1100.	13.9	838
5	Rivaroxaban for Thromboprophylaxis in Acutely Ill Medical Patients. <i>New England Journal of Medicine</i> , 2013, 368, 513-523.	13.9	524
6	Efficacy and safety of nerinetide for the treatment of acute ischaemic stroke (ESCAPE-NA1): a multicentre, double-blind, randomised controlled trial. <i>Lancet, The</i> , 2020, 395, 878-887.	6.3	400
7	Impact of collateral flow on tissue fate in acute ischaemic stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007, 79, 625-629.	0.9	339
8	Imaging features and safety and efficacy of endovascular stroke treatment: a meta-analysis of individual patient-level data. <i>Lancet Neurology, The</i> , 2018, 17, 895-904.	4.9	281
9	Penumbra 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. <i>Lancet Neurology, The</i> , 2019, 18, 46-55.	4.9	276
10	Early Neutrophilia Is Associated With Volume of Ischemic Tissue in Acute Stroke. <i>Stroke</i> , 2008, 39, 355-360.	1.0	230
11	A Brief Prehospital Stroke Severity Scale Identifies Ischemic Stroke Patients Harboring Persisting Large Arterial Occlusions. <i>Stroke</i> , 2008, 39, 2264-2267.	1.0	205
12	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. <i>Lancet Neurology, The</i> , 2018, 17, 47-53.	4.9	205
13	Canadian stroke best practice recommendations: Secondary prevention of stroke, sixth edition practice guidelines, update 2017. <i>International Journal of Stroke</i> , 2018, 13, 420-443.	2.9	175
14	Atrial Premature Beats Predict Atrial Fibrillation in Cryptogenic Stroke. <i>Stroke</i> , 2015, 46, 936-941.	1.0	157
15	Cholesterol level and symptomatic hemorrhagic transformation after ischemic stroke thrombolysis. <i>Neurology</i> , 2007, 68, 737-742.	1.5	156
16	Hemorrhagic Transformation of Ischemic Stroke: Prediction with CT Perfusion. <i>Radiology</i> , 2009, 250, 867-877.	3.6	152
17	The Combined Approach to Lysis Utilizing Eptifibatid and t-PA in Acute Ischemic Stroke. <i>Stroke</i> , 2008, 39, 3268-3276.	1.0	151
18	Rivaroxaban or aspirin for patent foramen ovale and embolic stroke of undetermined source: a prespecified subgroup analysis from the NAVIGATE ESUS trial. <i>Lancet Neurology, The</i> , 2018, 17, 1053-1060.	4.9	146

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19	Prediction of hemorrhagic transformation after recanalization therapy using T2*â€permeability magnetic resonance imaging. <i>Annals of Neurology</i> , 2007, 62, 170-176.	2.8	128
20	Renal Safety of CT Angiography and Perfusion Imaging in the Emergency Evaluation of Acute Stroke. <i>American Journal of Neuroradiology</i> , 2008, 29, 1826-1830.	1.2	119
21	Quantitative MR volumetry in Alzheimer's disease. <i>Neurology</i> , 1997, 49, 1504-1512.	1.5	113
22	<i>Canadian Stroke Best Practice Recommendations</i>: Secondary Prevention of Stroke Guidelines, Update 2014. <i>International Journal of Stroke</i> , 2015, 10, 282-291.	2.9	103
23	Dispatcher Recognition of Stroke Using the National Academy Medical Priority Dispatch System. <i>Stroke</i> , 2009, 40, 2027-2030.	1.0	97
24	Risk Assessment of Symptomatic Intracerebral Hemorrhage After Thrombolysis Using DWI-ASPECTS. <i>Stroke</i> , 2009, 40, 2743-2748.	1.0	96
25	Impact of Disability Status on Ischemic Stroke Costs in Canada in the First Year. <i>Canadian Journal of Neurological Sciences</i> , 2012, 39, 793-800.	0.3	96
26	Clinical Outcomes in Middle Cerebral Artery Trunk Occlusions Versus Secondary Division Occlusions After Mechanical Thrombectomy. <i>Stroke</i> , 2010, 41, 953-960.	1.0	95
27	Effect of Implantable vs Prolonged External Electrocardiographic Monitoring on Atrial Fibrillation Detection in Patients With Ischemic Stroke. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 2160.	3.8	95
28	Transcranial Laser Therapy in Acute Stroke Treatment. <i>Stroke</i> , 2014, 45, 3187-3193.	1.0	89
29	Characteristics and Outcomes of Patients With Cerebral Venous Sinus Thrombosis in SARS-CoV-2 Vaccineâ€Induced Immune Thrombotic Thrombocytopenia. <i>JAMA Neurology</i> , 2021, 78, 1314.	4.5	89
30	Patterns and Predictors of Bloodâ€Brain Barrier Permeability Derangements in Acute Ischemic Stroke. <i>Stroke</i> , 2009, 40, 454-461.	1.0	81
31	Determinants of the distribution and severity of hypoperfusion in patients with ischemic stroke. <i>Neurology</i> , 2008, 71, 1804-1811.	1.5	77
32	Endovascular Thrombectomy for Acute Ischemic Stroke in Failed Intravenous Tissue Plasminogen Activator Versus Nonâ€Intravenous Tissue Plasminogen Activator Patients. <i>Stroke</i> , 2010, 41, 1185-1192.	1.0	76
33	Corpus Callosum Anatomy in Right-Handed Homosexual and Heterosexual Men. <i>Archives of Sexual Behavior</i> , 2008, 37, 857-863.	1.2	75
34	Serial Montreal Cognitive Assessments Demonstrate Reversible Cognitive Impairment in Patients With Acute Transient Ischemic Attack and Minor Stroke. <i>Stroke</i> , 2014, 45, 1709-1715.	1.0	72
35	Case management for blood pressure and lipid level control after minor stroke: PREVENTION randomized controlled trial. <i>Cmaj</i> , 2014, 186, 577-584.	0.9	69
36	Spatial- and object-based attentional deficits in Alzheimer's disease. Relationship to HMPAO-SPECT measures of parietal perfusion. <i>Brain</i> , 1997, 120, 1229-1244.	3.7	55

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37	Early Rivaroxaban Use After Cardioembolic Stroke May Not Result in Hemorrhagic Transformation. <i>Stroke</i> , 2016, 47, 1917-1919.	1.0	54
38	Predicting stroke severity with a 3-min recording from the Muse portable EEG system for rapid diagnosis of stroke. <i>Scientific Reports</i> , 2020, 10, 18465.	1.6	48
39	Cerebral Perfusion and Blood Pressure Do Not Affect Perihematoma Edema Growth in Acute Intracerebral Hemorrhage. <i>Stroke</i> , 2014, 45, 1292-1298.	1.0	45
40	Body Mass Index and Hospital Discharge Outcomes After Ischemic Stroke. <i>Archives of Neurology</i> , 2007, 64, 388.	4.9	44
41	Good is not Good Enough: The Benchmark Stroke Door-to-Needle Time Should be 30 Minutes. <i>Canadian Journal of Neurological Sciences</i> , 2014, 41, 694-696.	0.3	38
42	Prehospital systolic blood pressure is higher in acute stroke compared with stroke mimics. <i>Neurology</i> , 2016, 86, 2146-2153.	1.5	38
43	Association of Higher Serum Calcium Levels With Smaller Infarct Volumes in Acute Ischemic Stroke. <i>Archives of Neurology</i> , 2007, 64, 1287.	4.9	37
44	Risk of Symptomatic Intracerebral Hemorrhage in Patients Treated with Intra-Arterial Thrombolysis. <i>Cerebrovascular Diseases</i> , 2009, 27, 368-374.	0.8	35
45	Blood Pressure Reduction Does Not Reduce Perihematoma Oxygenation: A CT Perfusion Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 81-86.	2.4	35
46	White matter hyperintensity volume predicts persistent cognitive impairment in transient ischemic attack and minor stroke. <i>International Journal of Stroke</i> , 2017, 12, 264-272.	2.9	34
47	Stroke mimics: incidence, aetiology, clinical features and treatment. <i>Annals of Medicine</i> , 2021, 53, 420-436.	1.5	34
48	The Intracerebral Haemorrhage Acutely Decreasing Arterial Pressure Trial: ICH ADAPT. <i>International Journal of Stroke</i> , 2010, 5, 227-233.	2.9	32
49	Results of Membrane-activated Chelator Stroke Intervention Randomized Trial of DP-b99 in Acute Ischemic Stroke. <i>Stroke</i> , 2013, 44, 580-584.	1.0	32
50	Multimodal CT in Acute Stroke. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 63.	2.0	30
51	Prior antiplatelet use and infarct volume in ischemic stroke. <i>Journal of the Neurological Sciences</i> , 2008, 264, 140-144.	0.3	29
52	Computed Tomographic Perfusion Predicts Poor Outcomes in a Randomized Trial of Endovascular Therapy. <i>Stroke</i> , 2018, 49, 1426-1433.	1.0	29
53	Dabigatran Treatment of Acute Noncardioembolic Ischemic Stroke. <i>Stroke</i> , 2020, 51, 1190-1198.	1.0	29
54	Leukoaraiosis and Collaterals in Acute Ischemic Stroke. , 2011, 21, 232-235.		28

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55	Radiologic Patterns of Intracranial Hemorrhage and Clinical Outcome after Endovascular Treatment in Acute Ischemic Stroke: Results from the ESCAPE-NA1 Trial. <i>Radiology</i> , 2021, 300, 402-409.	3.6	26
56	Rapid Assessment and Treatment of Transient Ischemic Attacks and Minor Stroke in Canadian Emergency Departments. <i>Stroke</i> , 2015, 46, 2987-2990.	1.0	24
57	Stroke Mimics Transported by Emergency Medical Services to a Comprehensive Stroke Center: The Magnitude of the Problem. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 2738-2745.	0.7	24
58	Impact of Stroke Care Unit on Patient Outcomes in a Community Hospital. <i>Stroke</i> , 2014, 45, 211-216.	1.0	22
59	Prevalence of Fabry Disease and Outcomes in Young Canadian Patients With Cryptogenic Ischemic Cerebrovascular Events. <i>Stroke</i> , 2017, 48, 1766-1772.	1.0	21
60	Dabigatran Therapy in Acute Ischemic Stroke Patients Without Atrial Fibrillation. <i>Stroke</i> , 2015, 46, 2685-2687.	1.0	19
61	Penumbra Imaging-Based Thrombolysis with Tenecteplase Is Feasible up to 24 Hours after Symptom Onset. <i>Journal of Stroke</i> , 2018, 20, 122-130.	1.4	19
62	The Multiple Causes of Stroke in Atrial Fibrillation: Thinking Broadly. <i>Canadian Journal of Cardiology</i> , 2018, 34, 1503-1511.	0.8	19
63	Exploring Reperfusion Following Endovascular Thrombectomy. <i>Stroke</i> , 2019, 50, 2389-2395.	1.0	19
64	Heads Up! A Novel Provocative Maneuver to Guide Acute Ischemic Stroke Management. <i>Interventional Neurology</i> , 2017, 6, 8-15.	1.8	17
65	Strength of Association between Infarct Volume and Clinical Outcome Depends on the Magnitude of Infarct Size: Results from the ESCAPE-NA1 Trial. <i>American Journal of Neuroradiology</i> , 2021, 42, 1375-1379.	1.2	17
66	Assessment of Discrepancies Between Follow-up Infarct Volume and 90-Day Outcomes Among Patients With Ischemic Stroke Who Received Endovascular Therapy. <i>JAMA Network Open</i> , 2021, 4, e2132376.	2.8	17
67	Case management reduces global vascular risk after stroke: Secondary results from the The preventing recurrent vascular events and neurological worsening through intensive organized case-management randomized controlled trial. <i>American Heart Journal</i> , 2014, 168, 924-930.	1.2	16
68	The intracerebral hemorrhage acutely decreasing arterial pressure trial II (ICH ADAPT II) protocol. <i>BMC Neurology</i> , 2017, 17, 100.	0.8	15
69	Improvement of automatic ischemic stroke lesion segmentation in CT perfusion maps using a learned deep neural network. <i>Computers in Biology and Medicine</i> , 2021, 137, 104849.	3.9	15
70	Cerebral Perfusion Pressure is Maintained in Acute Intracerebral Hemorrhage: A CT Perfusion Study. <i>American Journal of Neuroradiology</i> , 2016, 37, 244-251.	1.2	14
71	Pre-hospital triage of suspected acute stroke patients in a mobile stroke unit in the rural Alberta. <i>Scientific Reports</i> , 2021, 11, 4988.	1.6	14
72	Visual attention deficits in Alzheimer's disease: Relationship to HMPAO SPECT cortical hypoperfusion. <i>Neuropsychologia</i> , 2011, 49, 1741-1750.	0.7	13

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73	Comparative Effectiveness of Endovascular Treatment for Acute Ischemic Stroke: A Population-Based Analysis. <i>Journal of the American Heart Association</i> , 2020, 9, e014541.	1.6	12
74	Perihematoma Cerebral Blood Flow is Unaffected by Statin Use in Acute Intracerebral Hemorrhage Patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1175-1180.	2.4	11
75	Comparing the Prognostic Impact of Age and Baseline National Institutes of Health Stroke Scale in Acute Stroke due to Large Vessel Occlusion. <i>Stroke</i> , 2021, 52, 2839-2845.	1.0	11
76	Dynamic Evolution of Diffusion-Weighted Imaging Lesions in Patients With Minor Ischemic Stroke. <i>Stroke</i> , 2015, 46, 2318-2321.	1.0	10
77	Mobile stroke unit triage of patients with a suspected stroke: a novel solution to reducing suspected stroke admissions in busy emergency departments. <i>BMJ Innovations</i> , 2018, 4, 54-59.	1.0	9
78	Economic evaluation of extended electrocardiogram monitoring for atrial fibrillation in patients with cryptogenic stroke. <i>International Journal of Stroke</i> , 2020, 16, 174749302097456.	2.9	9
79	Health-Related Quality of Life Among Patients With Acute Ischemic Stroke and Large Vessel Occlusion in the ESCAPE Trial. <i>Stroke</i> , 2021, 52, 1636-1642.	1.0	9
80	Utility of Urinalysis in Discriminating Cardioembolic Stroke Mechanism. <i>Archives of Neurology</i> , 2007, 64, 667.	4.9	8
81	Collaterals 2016: Translating the collaterome around the globe. <i>International Journal of Stroke</i> , 2017, 12, 338-342.	2.9	8
82	Blood pressure reduction in hypertensive acute ischemic stroke patients does not affect cerebral blood flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1878-1887.	2.4	8
83	Early Dabigatran Treatment After Transient Ischemic Attack and Minor Ischemic Stroke Does Not Result in Hemorrhagic Transformation. <i>Canadian Journal of Neurological Sciences</i> , 2020, 47, 604-611.	0.3	8
84	Early apixaban therapy after ischemic stroke in patients with atrial fibrillation. <i>Journal of Neurology</i> , 2021, 268, 1837-1846.	1.8	8
85	Early hematoma retraction in intracerebral hemorrhage is uncommon and does not predict outcome. <i>PLoS ONE</i> , 2018, 13, e0205436.	1.1	7
86	Ischemic Stroke Lesion Prediction in CT Perfusion Scans Using Multiple Parallel U-Nets Following by a Pixel-Level Classifier. , 2019, , .		7
87	Community-Acquired Pneumonia with Risk for Drug-Resistant Pathogens. <i>Southern Medical Journal</i> , 2013, 106, 209-216.	0.3	6
88	National Institutes of Health Stroke Scale Score is an Unreliable Predictor of Perfusion Deficits in Acute Stroke. <i>International Journal of Stroke</i> , 2015, 10, 582-588.	2.9	6
89	Successful dabigatran reversal after subdural hemorrhage using idarucizumab in a mobile stroke unit. <i>Medicine (United States)</i> , 2020, 99, e20200.	0.4	6
90	Ethical Justification for Deferral of Consent in the AcT Trial for Acute Ischemic Stroke. <i>Stroke</i> , 2022, 53, 2420-2423.	1.0	6

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91	Impact of Reperfusion after 3 Hours of Symptom Onset on Tissue Fate in Acute Cerebral Ischemia. <i>Journal of Neuroimaging</i> , 2009, 19, 317-322.	1.0	5
92	Aggressive blood pressure reduction is not associated with decreased perfusion in leukoaraiosis regions in acute intracerebral hemorrhage patients. <i>PLoS ONE</i> , 2019, 14, e0213645.	1.1	5
93	Predictors and clinical impact of infarct progression rate in the ESCAPE-NA1 trial. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 886-891.	2.0	5
94	Association of CT-Based Hypoperfusion Index With Ischemic Core Enlargement in Patients With Medium and Large Vessel Stroke. <i>Neurology</i> , 2021, 97, 10.1212/WNL.00000000000012855.	1.5	5
95	The Management of Bone Defects in Periarticular Knee Injuries: A Review Article. <i>Journal of Knee Surgery</i> , 2017, 30, 194-199.	0.9	4
96	Approaches to the field recognition of potential thrombectomy candidates. <i>International Journal of Stroke</i> , 2017, 12, 698-707.	2.9	4
97	Development and Evaluation of an Outpatient Palliative Care Clinic. <i>Journal of Hospice and Palliative Nursing</i> , 2019, 21, 160-166.	0.5	4
98	Sex Differences in Endovascular Treatment for Stroke: A Population-based Analysis. <i>Canadian Journal of Neurological Sciences</i> , 2021, 48, 479-486.	0.3	4
99	Protocol for LASER: A Randomized Evaluation and an Associated Registry of Early Anticoagulation With Edoxaban After Ischemic Stroke in Patients With Atrial Fibrillation. <i>Frontiers in Neurology</i> , 2021, 12, 645822.	1.1	4
100	Lower Blood Pressure Is Not Associated With Decreased Arterial Spin Labeling Estimates of Perfusion in Intracerebral Hemorrhage. <i>Journal of the American Heart Association</i> , 2019, 8, e010904.	1.6	3
101	Direct to Thrombectomy. <i>Stroke</i> , 2021, 52, 2442-2444.	1.0	3
102	Abstract WP55: Low Predictive Value of Multiphase CT Angiography for CT Perfusion Defined Ischemic Penumbra. <i>Stroke</i> , 2018, 49, .	1.0	3
103	Poor Cortical Venous Opacification on Baseline Computed Tomography Angiography Predicts Parenchymal Hemorrhage After Thrombectomy. , 0, , .		3
104	Nitroglycerin Is Not Associated with Improved Cerebral Perfusion in Acute Ischemic Stroke. <i>Canadian Journal of Neurological Sciences</i> , 2021, 48, 349-357.	0.3	2
105	Abstract P521: Effect of Endovascular Thrombectomy on Health-Related Quality of Life Among Patients With Acute Ischemic Stroke and Large Vessel Occlusion in the Escape Trial. <i>Stroke</i> , 2021, 52, .	1.0	1
106	Return on Investment in Endovascular Care: The case of Endovascular Reperfusion Alberta. <i>Canadian Journal of Neurological Sciences</i> , 2021, , 1-22.	0.3	1
107	A case of acute ischemic stroke: optimizing management with penumbra and vessel imaging. <i>Nature Clinical Practice Neurology</i> , 2007, 3, 465-469.	2.7	0
108	Response to Letter by Clawson et al. <i>Stroke</i> , 2009, 40, .	1.0	0

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109	Abstract P713: Early Apixaban Therapy After Ischemic Stroke in Patients With Atrial Fibrillation. Stroke, 2021, 52, .	1.0	0
110	Implantable vs Prolonged External Electrocardiographic Monitoring for Atrial Fibrillation Detection in Patients With Ischemic Stroke—Reply. JAMA - Journal of the American Medical Association, 2021, 326, 1439.	3.8	0
111	Abstract WP339: Arterial Spin Labelling Cerebral Perfusion Measurements Demonstrate Normal Blood Flow in Subacute Intracerebral Hemorrhage Patients. Stroke, 2018, 49, .	1.0	0
112	Abstract WMP104: Sub-Acute Diffusion-Weighted MRI Lesions in Acute Intracerebral Hemorrhage Patients are Unrelated to Blood Pressure. Stroke, 2018, 49, .	1.0	0
113	Dabigatran Treatment of Acute Non-Cardioembolic Ischaemic Stroke: A Randomised Controlled Trial. SSRN Electronic Journal, 0, , .	0.4	0
114	Abstract TP39: Comparative Effectiveness of Endovascular Treatment for Acute Ischemic Stroke: A Population-Based Analysis. Stroke, 2020, 51, .	1.0	0