Patrick D Lyden

List of Publications by Year
in descending order

140 papers	10,031 citations	57758 44 h-index	37204 96 g-index
151 all docs	151 docs citations	151 times ranked	9955 citing authors

#	Article	IF	Citations
1	Effect of treatment delay, age, and stroke severity on the effects of intravenous thrombolysis with alteplase for acute ischaemic stroke: a meta-analysis of individual patient data from randomised trials. Lancet, The, 2014, 384, 1929-1935.	13.7	1,971
2	NXY-059 for the Treatment of Acute Ischemic Stroke. New England Journal of Medicine, 2007, 357, 562-571.	27.0	664
3	NXY-059 for Acute Ischemic Stroke. New England Journal of Medicine, 2006, 354, 588-600.	27.0	632
4	Guidelines for Thrombolytic Therapy for Acute Stroke: A Supplement to the Guidelines for the Management of Patients With Acute Ischemic Stroke. Circulation, 1996, 94, 1167-1174.	1.6	429
5	Intravenous Thrombolysis Plus Hypothermia for Acute Treatment of Ischemic Stroke (ICTuS-L). Stroke, 2010, 41, 2265-2270.	2.0	324
6	A Modified National Institutes of Health Stroke Scale for Use in Stroke Clinical Trials. Stroke, 2001, 32, 1310-1317.	2.0	301
7	Underlying Structure of the National Institutes of Health Stroke Scale. Stroke, 1999, 30, 2347-2354.	2.0	277
8	Using the National Institutes of Health Stroke Scale. Stroke, 2017, 48, 513-519.	2.0	261
9	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.	10.2	229
10	Revisiting Cerebral Postischemic Reperfusion Injury: New Insights in Understanding Reperfusion Failure, Hemorrhage, and Edema. International Journal of Stroke, 2015, 10, 143-152.	5.9	204
11	Modified National Institutes of Health Stroke Scale for Use in Stroke Clinical Trials. Stroke, 2002, 33, 1261-1266.	2.0	194
12	Effects of Alteplase for Acute Stroke on the Distribution of Functional Outcomes. Stroke, 2016, 47, 2373-2379.	2.0	193
13	Risk of intracerebral haemorrhage with alteplase after acute ischaemic stroke: a secondary analysis of an individual patient data meta-analysis. Lancet Neurology, The, 2016, 15, 925-933.	10.2	187
14	Finding the Most Powerful Measures of the Effectiveness of Tissue Plasminogen Activator in the NINDS tPA Stroke Trial. Stroke, 2000, 31, 2335-2341.	2.0	138
15	Results of the ICTuS 2 Trial (Intravascular Cooling in the Treatment of Stroke 2). Stroke, 2016, 47, 2888-2895.	2.0	131
16	NIHSS Training and Certification Using a New Digital Video Disk Is Reliable. Stroke, 2005, 36, 2446-2449.	2.0	118
17	Intravascular Cooling in the Treatment of Stroke (ICTuS): Early Clinical Experience. Journal of Stroke and Cerebrovascular Diseases, 2005, 14, 107-114.	1.6	116
18	Microglia Participate in Neurogenic Regulation of Hypertension. Hypertension, 2015, 66, 309-316.	2.7	116

#	Article	IF	Citations
19	Thrombin Mediates Severe Neurovascular Injury During Ischemia. Stroke, 2010, 41, 2348-2352.	2.0	113
20	Final Results of the RHAPSODY Trial: A Multiâ€Center, Phase 2 Trial Using a Continual Reassessment Method to Determine the Safety and Tolerability of 3K3Aâ€APC, A Recombinant Variant of Human Activated Protein C, in Combination with Tissue Plasminogen Activator, Mechanical Thrombectomy or both in Moderate to Severe Acute Ischemic Stroke. Annals of Neurology, 2019, 85, 125-136.	5.3	113
21	Thrombin Activity Associated with Neuronal Damage during Acute Focal Ischemia. Journal of Neuroscience, 2012, 32, 7622-7631.	3.6	108
22	Translational Stroke Research. Stroke, 2017, 48, 2632-2637.	2.0	108
23	Severe Bloodâ€“Brain Barrier Disruption and Surrounding Tissue Injury. Stroke, 2009, 40, e666-74.	2.0	107
24	National Institutes of Health Stroke Scale Certification Is Reliable Across Multiple Venues. Stroke, 2009, 40, 2507-2511.	2.0	106
25	Factor Analysis of the National Institutes of Health Stroke Scale in Patients With Large Strokes. Archives of Neurology, 2004, 61, 1677.	4.5	95
26	A Trial of Therapeutic Hypothermia via Endovascular Approach in Awake Patients with Acute Ischemic Stroke: Methodology. Academic Emergency Medicine, 2006, 13, 820-827.	1.8	93
27	Therapeutic Hypothermia for Acute Stroke. International Journal of Stroke, 2006, 1, 9-19.	5.9	91
28	ACCESS. Archives of Neurology, 2010, 67, 1210-8.	4.5	86
29	The future of neuroprotection in stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 129-135.	1.9	82
30	Robust and Fragile Aspects of Cortical Blood Flow in Relation to the Underlying Angioarchitecture. Microcirculation, 2015, 22, 204-218.	1.8	78
31	Still cooling after all these years: Meta-analysis of pre-clinical trials of therapeutic hypothermia for acute ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1157-1164.	4.3	78
32	Top Priorities for Cerebroprotective Studiesâ€”A Paradigm Shift: Report From STAIR XI. Stroke, 2021, 52, 3063-3071.	2.0	78
33	Acute ophthalmic artery occlusion in a COVID-19 patient on apixaban. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104982.	1.6	76
34	Endovascular Therapeutic Hypothermia for Acute Ischemic Stroke: ICTuS 2/3 Protocol. International Journal of Stroke, 2014, 9, 117-125.	5.9	70
35	Diagnosis and Management of Cerebral Venous Sinus Thrombosis With Vaccine-Induced Immune Thrombotic Thrombocytopenia. Stroke, 2021, 52, 2478-2482.	2.0	69
36	Does Hemispheric Lateralization Influence Functional and Cardiovascular Outcomes After Stroke?. Stroke, 2008, 39, 3335-3340.	2.0	68

#	Article	IF	Citations
37	Aphasia and Dysarthria in Acute Stroke: Recovery and Functional Outcome. International Journal of Stroke, 2015, 10, 400-406.	5.9	67
38	Overview of Therapeutic Hypothermia. Current Treatment Options in Neurology, 2012, 14, 541-548.	1.8	66
39	Thrombolytic Therapy for Acute Stroke â€" Not a Moment to Lose. New England Journal of Medicine, 2008, 359, 1393-1395.	27.0	64
40	Phase 1 Safety, Tolerability and Pharmacokinetics of 3K3A-APC in Healthy Adult Volunteers. Current Pharmaceutical Design, 2014, 19, 7479-7485.	1.9	61
41	Activated Protein C Analog Protects From Ischemic Stroke and Extends the Therapeutic Window of Tissue-Type Plasminogen Activator in Aged Female Mice and Hypertensive Rats. Stroke, 2013, 44, 3529-3536.	2.0	56
42	Chapter 10 GABA and Neuroprotection. International Review of Neurobiology, 1996, , 233-258.	2.0	53
43	Differential effects of hypothermia on neurovascular unit determine protective or toxic results: Toward optimized therapeutic hypothermia. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1693-1709.	4.3	47
44	Acute Hypertension Promotes Hemorrhagic Transformation in a Rabbit Embolic Stroke Model: Effect of Labetalol. Experimental Neurology, 1998, 150, 153-158.	4.1	46
45	Synergistic Combinatorial Stroke Therapy: A Quantal Bioassay of a GABA Agonist and a Glutamate Antagonist. Experimental Neurology, 2000, 163, 477-489.	4.1	45
46	Direct Thrombin Inhibitor Argatroban Reduces Stroke Damage in 2 Different Models. Stroke, 2014, 45, 896-899.	2.0	43
47	Cerebroprotection for Acute Ischemic Stroke: Looking Ahead. Stroke, 2021, 52, 3033-3044.	2.0	43
48	Effects of Hyperbaric Oxygen on Neurologic Outcome for Cerebral Ischemia in Rats. Academic Emergency Medicine, 1998, 5, 18-24.	1.8	39
49	Early Major Ischemic Changes on Computed Tomography Should Not Preclude Use of Tissue Plasminogen Activator. Stroke, 2003, 34, 821-822.	2.0	39
50	Retinal Microvascular Abnormalities as Surrogate Markers of Cerebrovascular Ischemic Disease: A Meta-Analysis. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 1960-1968.	1.6	38
51	Intracerebral Hemorrhage After Experimental Embolic Infarction. Archives of Neurology, 1987, 44, 848.	4.5	36
52	Effects of alteplase for acute stroke according to criteria defining the European Union and United States marketing authorizations: Individual-patient-data meta-analysis of randomized trials. International Journal of Stroke, 2018, 13, 175-189.	5.9	36
53	Activated protein C promotes neuroprotection: mechanisms and translation to the clinic. Thrombosis Research, 2016, 141, S62-S64.	1.7	33
54	Differential expression of circulating exosomal microRNAs in refractory intracranial atherosclerosis associated with antiangiogenesis. Scientific Reports, 2019, 9, 19429.	3.3	32

#	Article	IF	Citations
55	Combination Chemotherapy Extends the Therapeutic Window to 60 Minutes After Stroke. Journal of Neurotrauma, 1995, 12, 223-230.	3.4	31
56	Visualization of the Cerebral Circulation Using Threeâ€“dimensional Transcranial Power Doppler Ultrasound Imaging. Journal of Neuroimaging, 1997, 7, 35-39.	2.0	31
57	Brain Transforming Growth Factor-Î² Resists Hypertension Via Regulating Microglial Activation. Stroke, 2017, 48, 2557-2564.	2.0	28
58	Association of Recent Use of Nonâ€“Vitamin K Antagonist Oral Anticoagulants With Intracranial Hemorrhage Among Patients With Acute Ischemic Stroke Treated With Alteplase. JAMA - Journal of the American Medical Association, 2022, 327, 760.	7.4	28
59	Development of the Italian Version of the National Institutes of Health Stroke Scale. Stroke, 2009, 40, 2557-2559.	2.0	27
60	Determinants of Effective Cooling During Endovascular Hypothermia. Neurocritical Care, 2012, 16, 413-420.	2.4	27
61	Temporal Profile of Pneumonia After Stroke. Stroke, 2022, 53, 53-60.	2.0	26
62	Therapeutic hypothermia is associated with a decrease in urine output in acute stroke patients. Resuscitation, 2010, 81, 1642-1647.	3.0	25
63	Rethinking Training and Distribution of Vascular Neurology Interventionists in the Era of Thrombectomy. Stroke, 2017, 48, 2313-2317.	2.0	25
64	Meta-Analysis of Pre-Clinical Trials of Therapeutic Hypothermia for Intracerebral Hemorrhage. Therapeutic Hypothermia and Temperature Management, 2017, 7, 141-146.	0.9	24
65	Spontaneous Early Improvement Following Ischemic Stroke. Stroke, 1995, 26, 1358-1360.	2.0	24
66	COVIDâ€19 hypothesis: Activated protein C for therapy of virusâ€induced pathologic thromboinflammation. Research and Practice in Thrombosis and Haemostasis, 2020, 4, 506-509.	2.3	22
67	The Stroke Preclinical Assessment Network: Rationale, Design, Feasibility, and Stage 1 Results. Stroke, 2022, 53, 1802-1812.	2.0	22
68	Concurrent middle cerebral artery occlusion and intra-arterial drug infusion via ipsilateral common carotid artery catheter in the rat. Journal of Neuroscience Methods, 2013, 213, 63-69.	2.5	21
69	Clinical Use of Computed Tomographic Perfusion for the Diagnosis and Prediction of Lesion Growth in Acute Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 114-122.	1.6	21
70	Intracerebral Hemorrhagic Expansion Occurs in Patients Using Nonâ€“Vitamin K Antagonist Oral Anticoagulants Comparable with Patients Using Warfarin. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 1874-1882.	1.6	21
71	Acute neuropathological consequences of short-term mechanical ventilation in wild-type and Alzheimerâ€™s disease mice. Critical Care, 2019, 23, 63.	5.8	21
72	Selecting Patients for Intra-Arterial Therapy in the Context of a Clinical Trial for Neuroprotection. Stroke, 2016, 47, 2979-2985.	2.0	20

#	Article	IF	Citations
73	In Anticipation of International Stroke Trial-3 (IST-3). Stroke, 2012, 43, 1691-1694.	2.0	18
74	Transcranial Doppler Changes in Patients Treated with Extracorporeal Membrane Oxygenation. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 2882-2885.	1.6	18
75	Acute ischemic stroke versus transient ischemic attack: Differential plaque morphological features in symptomatic intracranial atherosclerotic lesions. Atherosclerosis, 2021, 319, 72-78.	0.8	18
76	Pooled Assessment of Computed Tomography Interpretation by Vascular Neurologists in the STRokE DOC Telestroke Network. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 511-515.	1.6	17
77	Paradoxical cerebrovascular hemodynamic changes with nicardipine. Journal of Neurosurgery, 2018, 128, 1015-1019.	1.6	15
78	Training and Certifying Users of the National Institutes of Health Stroke Scale. Stroke, 2020, 51, 990-993.	2.0	15
79	Hypothermia in acute ischemic stroke therapy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 157, 823-837.	1.8	14
80	Neuronâ€generated thrombin induces a protective astrocyte response via protease activated receptors. Glia, 2020, 68, 246-262.	4.9	14
81	Retinal Venular Tortuosity Jointly with Retinal Amyloid Burden Correlates with Verbal Memory Loss: A Pilot Study. Cells, 2021, 10, 2926.	4.1	14
82	An ethical hierarchy for decision making during medical emergencies. Annals of Neurology, 2010, 67, 434-440.	5.3	13
83	Arabic cross cultural adaptation and validation of the National Institutes of Health Stroke Scale. Journal of the Neurological Sciences, 2015, 357, 152-156.	0.6	13
84	Therapeutic hypothermia for intracerebral hemorrhage: Systematic review and meta-analysis of the experimental and clinical literature. International Journal of Stroke, 2022, 17, 506-516.	5.9	13
85	Lack of Early Improvement Predicts Poor Outcome Following Acute Intracerebral Hemorrhage. Critical Care Medicine, 2018, 46, e310-e317.	0.9	12
86	Low Body Temperature Does Not Compromise the Treatment Effect of Alteplase. Stroke, 2011, 42, 2618-2621.	2.0	11
87	Optimizing Outcomes for Mechanically Ventilated Patients in an Era of Endovascular Acute Ischemic Stroke Therapy. Journal of Intensive Care Medicine, 2017, 32, 467-472.	2.8	11
88	Cerebral Pulsatility Index Is Elevated in Patients with Elevated Right Atrial Pressure. Journal of Neuroimaging, 2018, 28, 95-98.	2.0	11
89	Stroke Treatment With PAR-1 Agents to Decrease Hemorrhagic Transformation. Frontiers in Neurology, 2021, 12, 593582.	2.4	11
90	The Clomethiazole Acute Stroke Study in hemorrhagic stroke (Class-H): Final results. Journal of Stroke and Cerebrovascular Diseases, 2000, 9, 268-275.	1.6	10

#	Article	IF	Citations
91	Is the NIHSS Certification Process Too Lenient?. Cerebrovascular Diseases, 2009, 27, 426-432.	1.7	10
92	Hemorrhagic Transformation during Thrombolytic Therapy and Reperfusion: Effects of Age, Blood Pressure, and Matrix Metalloproteinases. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 532-538.	1.6	10
93	Seizures and Meperidine: Overstated and Underutilized. Therapeutic Hypothermia and Temperature Management, 2015, 5, 223-227.	0.9	10
94	Type of Admission is Associated with Outcome of Spontaneous Subarachnoid Hemorrhage. International Journal of Stroke, 2015, 10, 529-533.	5.9	10
95	Systematic Review of Nimodipine. Stroke, 2002, 33, 639-640.	2.0	9
96	Novel method for inducing rapid, controllable therapeutic hypothermia in rats using a perivascular implanted closed-loop cooling circuit. Journal of Neuroscience Methods, 2016, 267, 55-61.	2.5	9
97	Differential Expression of Vascular Endothelial Growth Factor-A165 Isoforms Between Intracranial Atherosclerosis and Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 360-368.	1.6	9
98	Disparate trends of atherosclerotic plaque evolution in stroke patients under 18-month follow-up: a 3D whole-brain magnetic resonance vessel wall imaging study. Neuroradiology Journal, 2022, 35, 42-52.	1.2	9
99	Advanced Brain Imaging Studies Should Not Be Performed in Patients With Suspected Stroke Presenting Within 4.5 Hours of Symptom Onset. Stroke, 2011, 42, 2668-2669.	2.0	8
100	Determinants of Pneumonia Risk During Endovascular Hypothermia. Therapeutic Hypothermia and Temperature Management, 2013, 3, 24-27.	0.9	8
101	Why donâ€™t more patients receive intravenous rt-PA for acute stroke?. Expert Review of Neurotherapeutics, 2015, 15, 571-574.	2.8	8
102	Treatment Modality and Quality Benchmarks of Aneurysmal Subarachnoid Hemorrhage at a Comprehensive Stroke Center. Frontiers in Neurology, 2018, 9, 152.	2.4	8
103	Thrombolytic Therapy for Acute Ischemic Stroke. Stroke, 2019, 50, 2597-2603.	2.0	8
104	Sisyphus and Translational Stroke Research. Science Translational Medicine, 2012, 4, 156ps20.	12.4	7
105	Assessing Cerebrovascular Hemodynamics Using Transcranial Doppler in Patients with Mechanical Circulatory Support Devices. Journal of Neuroimaging, 2020, 30, 297-302.	2.0	7
106	Stroke, Research and Science in the Time of COVID. Stroke, 2020, 51, 2613-2614.	2.0	6
107	Selective cerebral cooling for acute ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1365-1367.	4.3	6
108	Hemodynamic latency is associated with reduced intelligence across the lifespan: an fMRI DCM study of aging, cerebrovascular integrity, and cognitive ability. Brain Structure and Function, 2020, 225, 1705-1717.	2.3	6

#	Article	IF	Citations
109	Tenecteplase for Acute Ischemic Stroke. International Journal of Stroke, 2011, 6, 509-510.	5.9	5
110	Troubleshooting the Nihss: Question-and-Answer Session with One of the Designers. International Journal of Stroke, 2015, 10, 1284-1286.	5.9	5
111	Thrombolysis in acute stroke â€“ Authors' reply. Lancet, The, 2015, 385, 1396.	13.7	5
112	Mild Hypothermia Reduces Tissue Plasminogen Activatorâ€“Related Hemorrhage and Blood Brain Barrier Disruption After Experimental Stroke: Editorial Commentary on Tang et al., 2013. Therapeutic Hypothermia and Temperature Management, 2013, 3, 171-172.	0.9	4
113	Neuroprotection and vasculoprotection using genetically targeted protease-ligands. Brain Research, 2019, 1715, 13-20.	2.2	4
114	Missing outcome data management in acute stroke trials testing iv thrombolytics. Is there risk of bias?. European Stroke Journal, 2020, 5, 148-154.	5.5	4
115	Preclinical and Clinical Studies Targeting Stroke. Therapeutic Hypothermia and Temperature Management, 2013, 3, 114-119.	0.9	3
116	Migraine and the Risk of Carotid Artery Dissection in the IPSYS Registry. JAMA Neurology, 2017, 74, 503.	9.0	3
117	Munchausen syndrome by tissue plasminogen activator. Neurology: Clinical Practice, 2020, 11, 10.1212/CPJ.0000000000000828.	1.6	3
118	Measuring Outcome After Stroke. Stroke, 2020, 51, 1053-1054.	2.0	3
119	The Future of Basic Science Research and Stroke: Hubris and Translational Stroke Research. International Journal of Stroke, 2011, 6, 412-413.	5.9	2
120	Letter by Lahiri et al Regarding Article, â€œEndovascular Thrombectomy for Anterior Circulation Stroke: Systematic Review and Meta-Analysisâ€• Stroke, 2015, 46, e258.	2.0	2
121	Cerebral microemboli detection for monitoring structural cardiac disease. Neurology: Clinical Practice, 2017, 7, 409-412.	1.6	2
122	Temperature Management in Neurological and Neurosurgical Intensive Care Unit. Therapeutic Hypothermia and Temperature Management, 2021, 11, 7-9.	0.9	2
123	Bias in Stroke Evaluation: Rethinking the Cookie Theft Picture. Stroke, 2022, 53, 2123-2125.	2.0	2
124	Teaching Neuro Images : Short stature, imperforate anus, and polydactyly. Neurology, 2015, 84, e117.	1.1	1
125	Online Tool to Improve Stratification of Adverse Events in Stroke Clinical Trials. Stroke, 2016, 47, 882-885.	2.0	1
126	When less is more (brain)â€”comment on â€œ<scp>R</scp>ivaroxaban plasma levels in acute ischemic stroke and intracerebral hemorrhageâ€• Annals of Neurology, 2018, 83, 446-448.	5.3	1

#	Article	IF	Citations
127	Can an anticoagulant reduce brain hemorrhage: Invited comment on â€œDabigatran reduces endothelial permeability through inhibition of thrombin-induced cytoskeleton reorganizationâ€• Thrombosis Research, 2018, 167, 172-173.	1.7	1
128	Temperature Management in Neurological and Neurosurgical Intensive Care Unit. Therapeutic Hypothermia and Temperature Management, 2020, 10, 86-90.	0.9	1
129	3K3A-Activated Protein C Variant Does Not Interfere With the Plasma Clot Lysis Activity of Tenecteplase. Stroke, 2020, 51, 2236-2239.	2.0	1
130	Current Advances in the Use of Therapeutic Hypothermia. Therapeutic Hypothermia and Temperature Management, 2020, 10, 2-5.	0.9	1
131	Therapeutic hypothermia and Type II errors: Do not throw out the baby with the ice water. Brain Circulation, 2019, 5, 203.	1.8	1
132	COMMENTARY: The Endovascular Procedure-Specific Neurological Examination Scheme. Journal of Endovascular Therapy, 2011, 18, 538-539.	1.5	0
133	Too Old for Cold? Editorial Commentary on Busch and SÃ¸reide, 2011. Therapeutic Hypothermia and Temperature Management, 2012, 2, 51-52.	0.9	0
134	In Response. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 454.	1.6	0
135	Justin A. Zivin, MD, PhD. Stroke, 2018, 49, 1051-1052.	2.0	0
136	Studies Targeting Stroke and Acute Myocardial Infarction. Therapeutic Hypothermia and Temperature Management, 2019, 9, 8-12.	0.9	0
137	Amendment on the article â€œMissing outcome data management in acute stroke trials testing iv thrombolytics: Is there risk of bias?â€• European Stroke Journal, 2020, 5, 453-454.	5.5	0
138	Intravenous Thrombolysis. , 2022, , 750-772.e3.		0
139	Reninâ€angiotensin system potentiates inflammatory responses of microglia. FASEB Journal, 2013, 27, 697.23.	0.5	0
140	Pro-resolving lipid mediators in traumatic brain injury: emerging concepts and translational approach.. American Journal of Translational Research (discontinued), 2022, 14, 1482-1494.	0.0	0