Lawrence R Wechsler

List of Publications by Year
in descending order

140 papers	16,444 citations	23567 58 h-index	15266 126 g-index
141 all docs	141 docs citations	141 times ranked	11613 citing authors

#	Article	IF	Citations
1	Intra-arterial Prourokinase for Acute Ischemic Stroke. JAMA - Journal of the American Medical Association, 1999, 282, 2003.	7.4	2,784
2	Magnetic resonance imaging profiles predict clinical response to early reperfusion: The diffusion and perfusion imaging evaluation for understanding stroke evolution (DEFUSE) study. Annals of Neurology, 2006, 60, 508-517.	5.3	1,138
3	Recombinant tissue plasminogen activator in acute thrombotic and embolic stroke. Annals of Neurology, 1992, 32, 78-86.	5.3	970
4	Closure or Medical Therapy for Cryptogenic Stroke with Patent Foramen Ovale. New England Journal of Medicine, 2012, 366, 991-999.	27.0	916
5	MRI profile and response to endovascular reperfusion after stroke (DEFUSE 2): a prospective cohort study. Lancet Neurology, The, 2012, 11, 860-867.	10.2	718
6	Randomized Trial of Stent versus Surgery for Asymptomatic Carotid Stenosis. New England Journal of Medicine, 2016, 374, 1011-1020.	27.0	486
7	A Review of the Evidence for the Use of Telemedicine Within Stroke Systems of Care. Stroke, 2009, 40, 2616-2634.	2.0	402
8	Neurotransplantation for patients with subcortical motor stroke: a Phase 2 randomized trial. Journal of Neurosurgery, 2005, 103, 38-45.	1.6	394
9	Optimal Tmax Threshold for Predicting Penumbral Tissue in Acute Stroke. Stroke, 2009, 40, 469-475.	2.0	359
10	Clinical Outcomes of Transplanted Modified Bone Marrowâ€"Derived Mesenchymal Stem Cells in Stroke. Stroke, 2016, 47, 1817-1824.	2.0	337
11	Guidelines and Recommendations for Perfusion Imaging in Cerebral Ischemia. Stroke, 2003, 34, 1084-1104.	2.0	284
12	Safety and efficacy of multipotent adult progenitor cells in acute ischaemic stroke (MASTERS): a randomised, double-blind, placebo-controlled, phase 2 trial. Lancet Neurology, The, 2017, 16, 360-368.	10.2	281
13	Selection of Acute Ischemic Stroke Patients for Intra-Arterial Thrombolysis With Pro-Urokinase by Using ASPECTS. Stroke, 2003, 34, 1925-1931.	2.0	262
14	Clonal Human (hNT) Neuron Grafts for Stroke Therapy. American Journal of Pathology, 2002, 160, 1201-1206.	3.8	240
15	Comparison of Safety and Clinical and Radiographic Outcomes in Endovascular Acute Stroke Therapy for Proximal Middle Cerebral Artery Occlusion With Intubation and General Anesthesia Versus the Nonintubated State. Stroke, 2010, 41, 1180-1184.	2.0	209
16	Intracranial Hemorrhage Associated With Revascularization Therapies. Stroke, 2007, 38, 431-440.	2.0	208
17	Acute Stroke Imaging Research Roadmap II. Stroke, 2013, 44, 2628-2639.	2.0	192
18	Ischemic Core and Penumbra in Human Stroke. Stroke, 1999, 30, 93-99.	2.0	189

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19	Telemedicine Quality and Outcomes in Stroke: A Scientific Statement for Healthcare Professionals From the American Heart Association/American Stroke Association. Stroke, 2017, 48, e3-e25.	2.0	189
20	Stroke Treatment Academic Industry Roundtable (STAIR) Recommendations for Maximizing the Use of Intravenous Thrombolytics and Expanding Treatment Options With Intra-arterial and Neuroprotective Therapies. Stroke, 2011, 42, 2645-2650.	2.0	181
21	Emergent Stenting of Extracranial Internal Carotid Artery Occlusion in Acute Stroke Has a High Revascularization Rate. Stroke, 2005, 36, 2426-2430.	2.0	178
22	Interactions Within Stroke Systems of Care. Stroke, 2013, 44, 2961-2984.	2.0	175
23	Revised and Updated Recommendations for the Establishment of Primary Stroke Centers. Stroke, 2011, 42, 2651-2665.	2.0	166
24	Value of Transcranial Doppler Examination in the Diagnosis of Cerebral Vasospasm after Subarachnoid Hemorrhage. Neurosurgery, 1988, 22, 813-821.	1.1	163
25	Mechanical Thrombolysis in Acute Ischemic Stroke With Endovascular Photoacoustic Recanalization. Stroke, 2004, 35, 1112-1116.	2.0	146
26	Optimal Definition for PWI/DWI Mismatch in Acute Ischemic Stroke Patients. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 887-891.	4.3	146
27	Carotid Bruit and the Risk of Stroke in Elective Surgery. New England Journal of Medicine, 1982, 307, 1388-1390.	27.0	141
28	Stem Cells as an Emerging Paradigm in Stroke 3. Stroke, 2014, 45, 634-639.	2.0	141
29	The Cortical Ischemic Core and Not the Consistently Present Penumbra Is a Determinant of Clinical Outcome in Acute Middle Cerebral Artery Occlusion. Stroke, 2003, 34, 2426-2433.	2.0	134
30	Advantages and Limitations of Teleneurology. JAMA Neurology, 2015, 72, 349.	9.0	133
31	Cell transplantation for stroke. Annals of Neurology, 2002, 52, 266-275.	5.3	129
32	Endovascular Treatment of Tandem Extracranial/Intracranial Anterior Circulation Occlusions. Stroke, 2011, 42, 1653-1657.	2.0	128
33	Indications for the Performance of Intracranial Endovascular Neurointerventional Procedures. Circulation, 2009, 119, 2235-2249.	1.6	126
34	Inclusion of Stroke in Cardiovascular Risk Prediction Instruments. Stroke, 2012, 43, 1998-2027.	2.0	125
35	Accuracy of the ABC/2 Score for Intracerebral Hemorrhage. Stroke, 2015, 46, 2470-2476.	2.0	125
36	Relationships Between Infarct Growth, Clinical Outcome, and Early Recanalization in Diffusion and Perfusion Imaging for Understanding Stroke Evolution (DEFUSE). Stroke, 2008, 39, 2257-2263.	2.0	122

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37	Computed Tomographic Findings in Patients Undergoing Intra-arterial Thrombolysis for Acute Ischemic Stroke due to Middle Cerebral Artery Occlusion. Stroke, 2002, 33, 1557-1565.	2.0	118
38	Translational Stroke Research. Stroke, 2017, 48, 2632-2637.	2.0	108
39	Multimodal Reperfusion Therapy for Acute Ischemic Stroke. Stroke, 2006, 37, 986-990.	2.0	105
40	The MRA-DWI Mismatch Identifies Patients With Stroke Who Are Likely to Benefit From Reperfusion. Stroke, 2008, 39, 2491-2496.	2.0	103
41	Factors Affecting Survival Rates for Acute Vertebrobasilar Artery Occlusions Treated with Intra-arterial Thrombolytic Therapy: A Meta-analytical Approach. Neurosurgery, 1999, 45, 539-548.	1.1	101
42	Cell therapy for stroke. NeuroRx, 2004, 1, 406-414.	6.0	101
43	Relationships Between Cerebral Perfusion and Reversibility of Acute Diffusion Lesions in DEFUSE. Stroke, 2009, 40, 1692-1697.	2.0	100
44	Mitochondrial Targets for Stroke. Stroke, 2009, 40, 3149-3155.	2.0	100
45	Stroke Recovery and Rehabilitation Research. Stroke, 2017, 48, 813-819.	2.0	98
46	Intravenous Thrombolytic Therapy for Acute Ischemic Stroke. New England Journal of Medicine, 2011, 364, 2138-2146.	27.0	89
47	Acute Stroke Imaging Research Roadmap III Imaging Selection and Outcomes in Acute Stroke Reperfusion Clinical Trials. Stroke, 2016, 47, 1389-1398.	2.0	88
48	Mechanical Approaches Combined With Intra-Arterial Pharmacological Therapy Are Associated With Higher Recanalization Rates Than Either Intervention Alone in Revascularization of Acute Carotid Terminus Occlusion. Stroke, 2009, 40, 2092-2097.	2.0	84
49	Sex-Based Differences in the Effect of Intra-Arterial Treatment of Stroke. Stroke, 2006, 37, 2322-2325.	2.0	82
50	Relationship between cerebral blood flow and the development of swelling and life-threatening herniation in acute ischemic stroke. Journal of Neurosurgery, 1998, 89, 243-249.	1.6	72
51	Formation and Function of Acute Strokeâ€"Ready Hospitals Within a Stroke System of Care Recommendations From the Brain Attack Coalition. Stroke, 2013, 44, 3382-3393.	2.0	72
52	Study Design of the CLOSURE I Trial. Stroke, 2010, 41, 2872-2883.	2.0	67
53	Telestroke-Guided Intravenous Tissue-Type Plasminogen Activator Treatment Achieves a Similar Clinical Outcome as Thrombolysis at a Comprehensive Stroke Center. Stroke, 2011, 42, 3291-3293.	2.0	66
54	Interfacility Transfer Directly to the Neuroangiography Suite in Acute Ischemic Stroke Patients Undergoing Thrombectomy. Stroke, 2017, 48, 1884-1889.	2.0	66

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55	Serial [18F]Fluorodeoxyglucose Positron Emission Tomography after Human Neuronal Implantation for Stroke. Neurosurgery, 2001, 49, 586-592.	1.1	65
56	Factors Influencing Outcome and Treatment Effect in PROACT II. Stroke, 2003, 34, 1224-1229.	2.0	63
57	Patients with Acute Stroke Treated with Intravenous tPA 3â€"6 Hours after Stroke Onset: Correlations between MR Angiography Findings and Perfusion- and Diffusion-weighted Imaging in the DEFUSE Study. Radiology, 2008, 249, 614-623.	7.3	62
58	Quantitative Cerebral Blood Flow Determinations in Acute Ischemic Stroke. Stroke, 1997, 28, 2208-2213.	2.0	59
59	Geography, Structure, and Evolution of Diffusion and Perfusion Lesions in Diffusion and Perfusion Imaging Evaluation For Understanding Stroke Evolution (DEFUSE). Stroke, 2009, 40, 3245-3251.	2.0	58
60	Impact of Telemedicine Implementation in Thrombolytic Use for Acute Ischemic Stroke: The University of Pittsburgh Medical Center Telestroke Network Experience. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 527-531.	1.6	57
61	Cell Therapy for Chronic Stroke. Stroke, 2018, 49, 1066-1074.	2.0	55
62	Reporting Standards for Endovascular Repair of Saccular Intracranial Cerebral Aneurysms. Stroke, 2009, 40, e366-79.	2.0	53
63	Cryptogenic Stroke in Relation to Genetic Variation in Clotting Factors and Other Genetic Polymorphisms Among Young Men and Women. Stroke, 2002, 33, 2762-2768.	2.0	52
64	Acute Stroke Intervention with Intraarterial Urokinase Infusion. Journal of Vascular and Interventional Radiology, 1994, 5, 705-713.	0.5	43
65	Time From Symptoms to Carotid Endarterectomy or Stenting and Perioperative Risk. Stroke, 2015, 46, 3540-3542.	2.0	43
66	Update on cell therapy for stroke. Stroke and Vascular Neurology, 2017, 2, 59-64.	3.3	42
67	Genome-wide transcriptomic analysis of microglia reveals impaired responses in aged mice after cerebral ischemia. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S49-S66.	4.3	41
68	Reporting Standards for Angioplasty and Stent-Assisted Angioplasty for Intracranial Atherosclerosis. Stroke, 2009, 40, e348-65.	2.0	38
69	A 5-Item Scale to Predict Stroke Outcome After Cortical Middle Cerebral Artery Territory Infarction. Stroke, 2011, 42, 645-649.	2.0	36
70	Transcranial Doppler Monitoring in Carotid Endarterectomy: A Systematic Review and Metaâ€analysis. Journal of Ultrasound in Medicine, 2017, 36, 621-630.	1.7	36
71	Promises and limitations of immune cell-based therapies in neurological disorders. Nature Reviews Neurology, 2018, 14, 559-568.	10.1	34
72	PFO and Stroke. Cardiology in Review, 2008, 16, 53-57.	1.4	33

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73	RNA sequencing reveals novel macrophage transcriptome favoring neurovascular plasticity after ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 720-738.	4.3	33
74	Remote Effects of Acute Ischemic Stroke: A Xenon CT Cerebral Blood Flow Study. Cerebrovascular Diseases, 2000, 10, 221-228.	1.7	31
75	Neural transplantation for stroke. Journal of Clinical Neuroscience, 2002, 9, 225-230.	1.5	31
76	Reduced Pretreatment Ipsilateral Middle Cerebral Artery Cerebral Blood Flow Is Predictive of Symptomatic Hemorrhage Postâ€"Intra-Arterial Thrombolysis in Patients With Middle Cerebral Artery Occlusion. Stroke, 2006, 37, 2526-2530.	2.0	30
77	Predictors of Outcome in Patients Presenting with Acute Ischemic Stroke and Mild Stroke Scale Scores. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 1685-1689.	1.6	29
78	ACCF/AHA 2007 Clinical Competence Statement on Vascular Imaging With Computed Tomography and Magnetic Resonance. Journal of the American College of Cardiology, 2007, 50, 1097-1114.	2.8	28
79	STAIR X. Stroke, 2018, 49, 2241-2247.	2.0	26
80	Reporting standards for endovascular repair of saccular intracranial cerebral aneurysms. Journal of NeuroInterventional Surgery, 2010, 2, 312-323.	3.3	25
81	Carotid artery disease and periprocedural stroke risk after transcatheter aortic valve implantation. Annals of Cardiac Anaesthesia, 2017, 20, 145.	0.6	24
82	Does the Merci Retriever Work?. Stroke, 2006, 37, 1341-1342.	2.0	23
83	Stroke Treatment Academic Industry Roundtable. Stroke, 2013, 44, 3596-3601.	2.0	23
84	Quantitative Perihematomal Blood Flow in Spontaneous Intracerebral Hemorrhage Predicts In-Hospital Functional Outcome. Stroke, 2007, 38, 319-324.	2.0	20
85	Bioengineering solutions for neural repair and recovery in stroke. Current Opinion in Neurology, 2013, 26, 626-631.	3.6	20
86	Outcomes after endovascular treatment for anterior circulation stroke presenting as wake-up strokes are not different than those with witnessed onset beyond 8â€...hours. Journal of NeuroInterventional Surgery, 2015, 7, 875-880.	3.3	20
87	Selecting Patients for Intra-Arterial Therapy in the Context of a Clinical Trial for Neuroprotection. Stroke, 2016, 47, 2979-2985.	2.0	20
88	The Incidence of Perioperative Stroke: Estimate Using State and National Databases and Systematic Review. Journal of Stroke, 2019, 21, 290-301.	3.2	19
89	Outcomes of Spoke-Retained Telestroke Patients Versus Hub-Treated Patients After Intravenous Thrombolysis. Stroke, 2015, 46, 3161-3167.	2.0	18
90	Perioperative Strokes and Early Outcomes in Mitral Valve Surgery: A Nationwide Analysis. Journal of Cardiothoracic and Vascular Anesthesia, 2017, 31, 529-536.	1.3	16

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91	Neuroimaging of Acute Stroke. Neurologic Clinics, 2020, 38, 185-199.	1.8	16
92	Quantitation of Regional Cerebral Glucose Metabolism. Journal of Computer Assisted Tomography, 1983, 7, 919-924.	0.9	15
93	LOWER PRETREATMENT CEREBRAL BLOOD VOLUME AFFECTS HEMORRHAGIC RISKS AFTER INTRA-ARTERIAL REVASCULARIZATION IN ACUTE STROKE. Neurosurgery, 2008, 63, 874-879.	1.1	15
94	Cell Therapy: Replacement. Stroke, 2003, 34, 2081-2082.	2.0	14
95	Intravenous Recombinant Tissue-Type Plasminogen Activator in the Extended Time Window and the US Food and Drug Administration. Stroke, 2012, 43, 2517-2519.	2.0	14
96	Carotid Artery Disease as a Predictor of In-Hospital Postoperative Stroke After Coronary Artery Bypass Grafting From 1999 to 2011. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 1587-1596.	1.3	14
97	Extensive Brainstem Ischemia on Neuroimaging Does Not Preclude Meaningful Recovery from Lockedâ€In Syndrome: Two Cases of Endovascularly Managed Basilar Thrombosis. Journal of Neuroimaging, 2008, 18, 15-17.	2.0	13
98	Stroke Treatment Academic Industry Roundtable Recommendations for Individual Data Pooling Analyses in Stroke. Stroke, 2016, 47, 2154-2159.	2.0	13
99	The Teleneurology Revolution. Annals of Neurology, 2020, 88, 656-657.	5.3	13
100	Provider Experience with Teleneurology in an Academic Neurology Department. Telemedicine Journal and E-Health, 2022, 28, 374-383.	2.8	13
101	Protocol Adherence and Safety of Intravenous Thrombolysis After Telephone Consultation With a Stroke Center. Journal of Stroke and Cerebrovascular Diseases, 2010, 19, 417-423.	1.6	12
102	Carotid artery stenosis as an independent risk factor for perioperative strokes following mitral valve surgical intervention. Journal of the Neurological Sciences, 2017, 382, 170-184.	0.6	12
103	Perioperative stroke as a predictor of mortality and morbidity in patients undergoing CABG. Journal of Clinical Neuroscience, 2017, 44, 175-179.	1.5	12
104	Perioperative Stroke, In-Hospital Mortality, and Postoperative Morbidity Following Transcatheter		

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109	Management of Patent Foramen Ovale and Stroke. Current Treatment Options in Neurology, 2010, 12, 483-491.	1.8	10
110	The 4.5-Hour Time Window for Intravenous Thrombolysis With Intravenous Tissue-Type Plasminogen Activator Is Not Firmly Established. Stroke, 2014, 45, 914-915.	2.0	9
111	Acute Stroke Trial Enrollment through a Telemedicine Network: A 12-Year Experience. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 1926-1929.	1.6	9
112	LE cells in intermittent hydrarthrosis. Arthritis and Rheumatism, 1980, 23, 958-959.	6.7	8
113	A Department Approach to Teleneurology. Telemedicine Journal and E-Health, 2021, 27, 1078-1084.	2.8	8
114	Management of Stroke in the Intensive Care Unit. Seminars in Neurology, 1986, 6, 324-331.	1.4	7
115	INTRA-ARTERIAL THROMBOLYSIS FOR CAROTID CIRCULATION ISCHEMIA. Critical Care Clinics, 1999, 15, 701-718.	2.6	7
116	Remote Longitudinal Inpatient Acute Stroke Care Via Telestroke. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105749.	1.6	7
117	Carotid Revascularization Strategies. Stroke, 2012, 43, 929-930.	2.0	6
118	Seven-Year Experience From the National Institute of Neurological Disorders and Strokeâ€"Supported Network for Excellence in Neuroscience Clinical Trials. JAMA Neurology, 2020, 77, 755.	9.0	6
119	Meta-Analysis of Perioperative Stroke and Mortality in CABG Patients With Carotid Stenosis. Neurologist, 2020, 25, 113-116.	0.7	5
120	How to Establish the Outer Limits of Reperfusion Therapy. Stroke, 2021, 52, 3399-3403.	2.0	5
121	Reflections on a Health System's Telemedicine Marathon. Telemedicine Reports, 2020, 1, 2-7.	0.7	5
122	Neuroimaging in Ischemia and Infarction. Seminars in Neurology, 2008, 28, 446-452.	1.4	4
123	A Variant of the Anterior Opercular Syndrome With Supranuclear Gaze Palsy. JAMA Neurology, 2013, 70, 800.	9.0	4
124	Absence of a Diastolic Velocity Notch Does Not Indicate Hyperemia In Traumatic Brain Injured Patients Without Elevated Cerebral Blood Flow Velocity. Journal of Neurosurgical Anesthesiology, 2002, 14, 279-286.	1.2	3
125	Reliability of the telemedicine examination in the neurologic diagnosis of death. Neurology: Clinical Practice, 2019, 11, 10.1212/CPJ.0000000000000798.	1.6	3
126	Combined intravenous and intraarterial thrombolytic therapy for treatment of an acute ischemic stroke: A case report. Journal of Stroke and Cerebrovascular Diseases, 1999, 8, 264-267.	1.6	2

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127	Neurothrombectomy for Acute Ischemic Stroke Across Clinical Trial Design and Technique: A Single Center Pooled Analysis. Frontiers in Neurology, 2020, 11, 1047.	2.4	2
128	Differences in Inpatient Insertable Cardiac Monitor Placement after Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106124.	1.6	2
129	Global Teleneurology. Annals of Neurology, 2022, 91, 443-444.	5.3	2
130	Analytic Reviews : Potential New Therapies for Acute Ischemic Stroke. Journal of Intensive Care Medicine, 1988, 3, 258-264.	2.8	1
131	Innovative strategies in the management of acute stroke. Current Treatment Options in Cardiovascular Medicine, 2002, 4, 421-428.	0.9	1
132	Transcatheter intracardiac device implantation for atrial level defects and thrombosis: A call for randomized, controlled data. Journal of the American College of Cardiology, 2004, 44, 1713-1714.	2.8	1
133	Carotid disease, carotid bruit and coronary bypass surgery. International Journal of Cardiology, 1983, 3, 469-474.	1.7	0
134	For how long is brain tissue salvageable? Thrombolysis-based evidence. Journal of Stroke and Cerebrovascular Diseases, 2000, 9, 21-23.	1.6	0
135	Intra-arterial thrombolysis for acute ischemic stroke. Seminars in Cerebrovascular Diseases and Stroke, 2001, 1, 141-154.	0.1	0
136	Is mechanical embolectomy a safe and efficacious treatment strategy in patients with acute ischemic stroke?. Nature Clinical Practice Cardiovascular Medicine, 2006, 3, 16-17.	3.3	0
137	PRACTICE ISSUES IN NEUROLOGY. CONTINUUM Lifelong Learning in Neurology, 2008, 14, 141-144.	0.8	0
138	5.Cellular transplantation for neurodegenerative diseases. Japanese Journal of Neurosurgery, 2001, 10, 255.	0.0	0
139	Cell therapy for stroke. Neurotherapeutics, 2004, 1, 406-414.	4.4	0
140	10 MOST COMMONLY ASKED QUESTIONS ABOUT INTRA-ARTERIAL THROMBOLYSIS. Neurologist, 2001, 7, 127-132.	0.7	0