

# Lawrence L Latour

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

9,082  
citations

76031

42  
h-index

46524

93  
g-index

103  
all docs

103  
docs citations

103  
times ranked

10219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Multiple Passes during Mechanical Thrombectomy with Incomplete Reperfusion and Lesion Growth. <i>Cerebrovascular Diseases</i> , 2022, 51, 394-402.	0.8	6
2	Prevalence of Imaging Targets in Patients With Minor Stroke Selected for IV tPA Treatment Using MRI. <i>Neurology</i> , 2021, 96, e1301-e1311.	1.5	5
3	Temporally distinct myeloid cell responses mediate damage and repair after cerebrovascular injury. <i>Nature Neuroscience</i> , 2021, 24, 245-258.	7.1	64
4	Head injury and 25-year risk of dementia. <i>Alzheimer's and Dementia</i> , 2021, 17, 1432-1441.	0.4	34
5	Fluid-Attenuated Inversion Recovery Hyperintense Ischemic Stroke Predicts Less Favorable 90-Day Outcome after Intravenous Thrombolysis. <i>Cerebrovascular Diseases</i> , 2021, 50, 738-745.	0.8	4
6	Cytotoxic edema associated with hemorrhage predicts poor outcome after traumatic brain injury. <i>Journal of Neurotrauma</i> , 2021, 38, 3107-3118.	1.7	5
7	Subarachnoid Hemorrhage and Cerebral Perfusion Are Associated with Brain Volume Decrease in a Cohort of Predominantly Mild Traumatic Brain Injury Patients. <i>Journal of Neurotrauma</i> , 2020, 37, 600-607.	1.7	2
8	Nonhomogeneous Gadolinium Retention in the Cerebral Cortex after Intravenous Administration of Gadolinium-based Contrast Agent in Rats and Humans. <i>Radiology</i> , 2020, 294, 377-385.	3.6	19
9	Meningeal blood-brain barrier disruption in acute traumatic brain injury. <i>Brain Communications</i> , 2020, 2, fcaa143.	1.5	20
10	Routine use of FLAIR-negative MRI in the treatment of unknown onset stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 105093.	0.7	4
11	Intravenous alteplase for stroke with unknown time of onset guided by advanced imaging: systematic review and meta-analysis of individual patient data. <i>Lancet, The</i> , 2020, 396, 1574-1584.	6.3	107
12	Inflammatory Cytokines Associate With Neuroimaging After Acute Mild Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 348.	1.1	40
13	Traumatic microbleeds persist for up to five years following traumatic brain injury despite resolution of other acute findings on MRI. <i>Brain Injury</i> , 2020, 34, 775-783.	0.6	14
14	Comparison of T1-Post and FLAIR-Post MRI for identification of traumatic meningeal enhancement in traumatic brain injury patients. <i>PLoS ONE</i> , 2020, 15, e0234881.	1.1	7
15	Neuroimaging of Cerebral Small Vessel Disease and Age-Related Cognitive Changes. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 145.	1.7	41
16	Rapid Apparent Diffusion Coefficient Evolution After Early Revascularization. <i>Stroke</i> , 2019, 50, 2086-2092.	1.0	17
17	Traumatic microbleeds suggest vascular injury and predict disability in traumatic brain injury. <i>Brain</i> , 2019, 142, 3550-3564.	3.7	83
18	Circle of Willis anomalies in Turner syndrome: Absent A1 segment of the anterior cerebral artery. <i>Birth Defects Research</i> , 2019, 111, 1584-1588.	0.8	2

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19	Identifying perfusion deficits on CT perfusion images using temporal similarity perfusion (TSP) mapping. <i>European Radiology</i> , 2019, 29, 4198-4206.	2.3	0
20	Response by Luby et al to Letter Regarding Article, "Frequency of Blood-Brain Barrier Disruption Postendovascular Therapy and Multiple Thrombectomy Passes in Acute Ischemic Stroke Patients". <i>Stroke</i> , 2019, 50, e312.	1.0	0
21	MRI-based thrombolytic therapy in patients with acute ischemic stroke presenting with a low NIHSS. <i>Neurology</i> , 2019, 93, e1507-e1513.	1.5	18
22	Frequency of Blood-Brain Barrier Disruption Post-Endovascular Therapy and Multiple Thrombectomy Passes in Acute Ischemic Stroke Patients. <i>Stroke</i> , 2019, 50, 2241-2244.	1.0	32
23	Molecular signature of penumbra in acute ischemic stroke: a pilot transcriptomics study. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 817-820.	1.7	5
24	Neuroimaging evolution of ischemia in men and women: an observational study. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 575-585.	1.7	5
25	Association of Head Injury with Brain Amyloid Deposition: The ARIC-PET Study. <i>Journal of Neurotrauma</i> , 2019, 36, 2549-2557.	1.7	10
26	Changes in Plasma von Willebrand Factor and Cellular Fibronectin in MRI-Defined Traumatic Microvascular Injury. <i>Frontiers in Neurology</i> , 2019, 10, 246.	1.1	18
27	Discordance between Documented Criteria and Documented Diagnosis of Traumatic Brain Injury in the Emergency Department. <i>Journal of Neurotrauma</i> , 2019, 36, 1335-1342.	1.7	12
28	Intravenous thrombolysis in unwitnessed stroke onset: MR WITNESS trial results. <i>Annals of Neurology</i> , 2018, 83, 980-993.	2.8	110
29	Distinct myeloid cell subsets promote meningeal remodeling and vascular repair after mild traumatic brain injury. <i>Nature Immunology</i> , 2018, 19, 442-452.	7.0	101
30	Blood-ocular barrier disruption in patients with acute stroke. <i>Neurology</i> , 2018, 90, e915-e923.	1.5	25
31	An MRI Hyperintense Acute Reperfusion Marker Is Related to Elevated Peripheral Monocyte Count in Acute Ischemic Stroke. <i>Journal of Neuroimaging</i> , 2018, 28, 57-60.	1.0	20
32	Glial fibrillary acidic protein elevations relate to neuroimaging abnormalities after mild TBI. <i>Neurology</i> , 2018, 91, e1385-e1389.	1.5	110
33	Trauma-Specific Brain Abnormalities in Suspected Mild Traumatic Brain Injury Patients Identified in the First 48 Hours after Injury: A Blinded Magnetic Resonance Imaging Comparative Study Including Suspected Acute Minor Stroke Patients. <i>Journal of Neurotrauma</i> , 2017, 34, 23-30.	1.7	32
34	Attenuation of Myeloid-Specific TGF $\beta$ <sup>2</sup> Signaling Induces Inflammatory Cerebrovascular Disease and Stroke. <i>Circulation Research</i> , 2017, 121, 1360-1369.	2.0	23
35	Effects of increasing IV tPA-treated stroke mimic rates at CT-based centers on clinical outcomes. <i>Neurology</i> , 2017, 89, 343-348.	1.5	33
36	Differential Gene Expression Associated with Meningeal Injury in Acute Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 853-860.	1.7	12

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37	Temporal similarity perfusion mapping: A standardized and model-free method for detecting perfusion deficits in stroke. <i>PLoS ONE</i> , 2017, 12, e0185552.	1.1	9
38	Cerebral Ischemia Increases Small Ubiquitin-Like Modifier Conjugation within Human Penumbra Tissue: Radiological Pathological Correlation. <i>Frontiers in Neurology</i> , 2017, 8, 738.	1.1	10
39	Older Age Results in Differential Gene Expression after Mild Traumatic Brain Injury and Is Linked to Imaging Differences at Acute Follow-up. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 168.	1.7	22
40	Acute Stroke Imaging Research Roadmap III Imaging Selection and Outcomes in Acute Stroke Reperfusion Clinical Trials. <i>Stroke</i> , 2016, 47, 1389-1398.	1.0	88
41	Identification of Reversible Disruption of the Human Blood-Brain Barrier Following Acute Ischemia. <i>Stroke</i> , 2016, 47, 2405-2408.	1.0	61
42	Stroke Treatment Academic Industry Roundtable Recommendations for Individual Data Pooling Analyses in Stroke. <i>Stroke</i> , 2016, 47, 2154-2159.	1.0	13
43	Quantification of traumatic meningeal injury using dynamic contrast enhanced (DCE) fluid-attenuated inversion recovery (FLAIR) imaging. <i>Proceedings of SPIE</i> , 2016, . .	0.8	0
44	Multivariate Analysis of Traumatic Brain Injury: Development of an Assessment Score. <i>Frontiers in Neurology</i> , 2015, 6, 68.	1.1	38
45	Magnetic Resonance Imaging in Acute Ischemic Stroke Patients with Mild Symptoms: An Opportunity to Standardize Intravenous Thrombolysis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 1832-1840.	0.7	7
46	Autoimmune Profiling Reveals Peroxiredoxin 6 as a Candidate Traumatic Brain Injury Biomarker. <i>Journal of Neurotrauma</i> , 2015, 32, 1805-1814.	1.7	34
47	Assessing Reperfusion With Whole-Brain Arterial Spin Labeling. <i>Stroke</i> , 2014, 45, 456-461.	1.0	27
48	Association Between Neurologic Improvement With Decline in Blood Pressure and Recanalization in Stroke. <i>JAMA Neurology</i> , 2014, 71, 1555.	4.5	10
49	Transcranial amelioration of inflammation and cell death after brain injury. <i>Nature</i> , 2014, 505, 223-228.	13.7	464
50	Predictors of Acute Stroke Mimics in 8187 Patients Referred to a Stroke Service. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2013, 22, e397-e403.	0.7	132
51	Blood-Brain Barrier Disruption after Cardiac Surgery. <i>American Journal of Neuroradiology</i> , 2013, 34, 518-523.	1.2	75
52	Negative Diffusion-Weighted Imaging After Intravenous Tissue-Type Plasminogen Activator is Rare and Unlikely to Indicate Averted Infarction. <i>Stroke</i> , 2013, 44, 1629-1634.	1.0	29
53	Combined Approach to Lysis Utilizing Eptifibatid and Recombinant Tissue Plasminogen Activator in Acute Ischemic Stroke Enhanced Regimen Stroke Trial. <i>Stroke</i> , 2013, 44, 2381-2387.	1.0	88
54	Stroke Mismatch Volume with the Use of ABC/2 Is Equivalent to Planimetric Stroke Mismatch Volume. <i>American Journal of Neuroradiology</i> , 2013, 34, 1901-1907.	1.2	23

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55	Acute Stroke Imaging Research Roadmap II. <i>Stroke</i> , 2013, 44, 2628-2639.	1.0	192
56	Pseudocontinuous Arterial Spin Labeling Quantifies Relative Cerebral Blood Flow in Acute Stroke. <i>Stroke</i> , 2012, 43, 753-758.	1.0	41
57	Whole-Brain Arterial Spin Labeling Perfusion MRI in Patients With Acute Stroke. <i>Stroke</i> , 2012, 43, 1290-1294.	1.0	96
58	A Pragmatic Approach Using Magnetic Resonance Imaging to Treat Ischemic Strokes of Unknown Onset Time in a Thrombolytic Trial. <i>Stroke</i> , 2012, 43, 2331-2335.	1.0	43
59	Visual Perfusionâ€“Diffusion Mismatch Is Equivalent to Quantitative Mismatch. <i>Stroke</i> , 2011, 42, 1010-1014.	1.0	18
60	Common data elements in radiologic imaging of traumatic brain injury. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 516-543.	1.9	139
61	Increased Plasma and Tissue MMP Levels are Associated with BCSFB and BBB Disruption Evident on Post-Contrast FLAIR after Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1188-1199.	2.4	44
62	Bloodâ€“Brain Barrier Disruption in Humans Is Independently Associated With Increased Matrix Metalloproteinase-9. <i>Stroke</i> , 2010, 41, e123-8.	1.0	181
63	Common Data Elements in Radiologic Imaging of Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 1661-1666.	0.5	214
64	Measurement of glutathione in normal volunteers and stroke patients at 3T using Jâ€“difference spectroscopy with minimized subtraction errors. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 263-270.	1.9	37
65	Feridex Preloading Permits Tracking of CNS-Resident Macrophages after Transient Middle Cerebral Artery Occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1229-1239.	2.4	44
66	Nitrite Does Not Provide Additional Protection to Thrombolysis in a Rat Model of Stroke with Delayed Reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 482-489.	2.4	17
67	Verification of Enhancement of the CSF Space, not Parenchyma, in Acute Stroke Patients with Early Bloodâ€“Brain Barrier Disruption. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 882-886.	2.4	33
68	The Boston Acute Stroke Imaging Scale: ready for use in clinical practice?. <i>Nature Clinical Practice Neurology</i> , 2008, 4, 592-593.	2.7	1
69	Thrombolytic Toxicity: Blood Brain Barrier Disruption in Human Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2008, 25, 338-343.	0.8	110
70	Establishing Final Infarct Volume. <i>Stroke</i> , 2008, 39, 2765-2768.	1.0	79
71	Reperfusion Half-Life. <i>Stroke</i> , 2008, 39, 2148-2150.	1.0	19
72	Reperfusion-Associated Hemorrhagic Transformation in SHR Rats. <i>Stroke</i> , 2008, 39, 3405-3410.	1.0	32

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73	Lesion Volume Change After Treatment With Tissue Plasminogen Activator Can Discriminate Clinical Responders From Nonresponders. <i>Stroke</i> , 2007, 38, 2919-2923.	1.0	29
74	Magnetic resonance imaging and computed tomography in emergency assessment of patients with suspected acute stroke: a prospective comparison. <i>Lancet, The</i> , 2007, 369, 293-298.	6.3	1,033
75	The association between neurological deficit in acute ischemic stroke and mean transit time. <i>Neuroradiology</i> , 2006, 48, 69-77.	1.1	29
76	Silent Ischemic Lesion Recurrence on Magnetic Resonance Imaging Predicts Subsequent Clinical Vascular Events. <i>Archives of Neurology</i> , 2006, 63, 1730.	4.9	52
77	Diagnostic and prognostic value of early MR Imaging vessel signs in hyperacute stroke patients imaged <3 hours and treated with recombinant tissue plasminogen activator. <i>American Journal of Neuroradiology</i> , 2005, 26, 618-24.	1.2	124
78	Comparison of MRI and CT for Detection of Acute Intracerebral Hemorrhage. <i>JAMA - Journal of the American Medical Association</i> , 2004, 292, 1823.	3.8	661
79	More Accurate Identification of Reversible Ischemic Injury in Human Stroke by Cerebrospinal Fluid Suppressed Diffusion-Weighted Imaging. <i>Stroke</i> , 2004, 35, 1100-1106.	1.0	32
80	Early magnetic resonance imaging findings in patients receiving tissue plasminogen activator predict outcome: Insights into the pathophysiology of acute stroke in the thrombolysis era. <i>Annals of Neurology</i> , 2004, 55, 105-112.	2.8	133
81	Early blood-brain barrier disruption in human focal brain ischemia. <i>Annals of Neurology</i> , 2004, 56, 468-477.	2.8	408
82	Evidence of Reperfusion Injury, Exacerbated by Thrombolytic Therapy, in Human Focal Brain Ischemia Using a Novel Imaging Marker of Early Blood-Brain Barrier Disruption. <i>Stroke</i> , 2004, 35, 2659-2661.	1.0	344
83	Early ischemic lesion recurrence within a week after acute ischemic stroke. <i>Annals of Neurology</i> , 2003, 54, 66-74.	2.8	160
84	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction. <i>Journal of Neuroimaging</i> , 2003, 13, 152-154.	1.0	30
85	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction. , 2003, 13, 152.		15
86	Cerebral spinal fluid contamination of the measurement of the apparent diffusion coefficient of water in acute stroke. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 478-486.	1.9	57
87	Determination of the MRI contrast agent concentration time course in vivo following bolus injection: Effect of equilibrium transcytolemmal water exchange. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 563-574.	1.9	199
88	A new design for a three-channel surface gradient coil employing a three-dimensional finite element model. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 596-605.	1.9	9
89	The role of spreading depression in focal ischemia evaluated by diffusion mapping. <i>Annals of Neurology</i> , 1996, 39, 308-318.	2.8	233
90	Effective Diffusion Times in Multiple-Pulse PFG Diffusion Measurements in Porous Media. <i>Journal of Magnetic Resonance Series A</i> , 1996, 121, 187-192.	1.6	37

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91	Severe Transient Hypoglycemia Causes Reversible Change in the Apparent Diffusion Coefficient of Water. <i>Stroke</i> , 1996, 27, 1648-1656.	1.0	102
92	Pore-Size Distributions and Tortuosity in Heterogeneous Porous Media. <i>Journal of Magnetic Resonance Series A</i> , 1995, 112, 83-91.	1.6	204
93	Pulsed-Field-Gradient NMR Measurements of Restricted Diffusion and the Return-to-the-Origin Probability. <i>Journal of Magnetic Resonance Series A</i> , 1995, 114, 47-58.	1.6	51
94	Spreading Waves of a Reduced Diffusion Coefficient of Water in Normal and Ischemic Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 179-187.	2.4	113
95	Time-dependent diffusion of water in a biological model system.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 1229-1233.	3.3	469
96	Spreading waves of decreased diffusion coefficient lifter cortical stimulation in the rat brain. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 189-198.	1.9	140
97	Restricted Diffusion in Sedimentary Rocks. Determination of Surface-Area-to-Volume Ratio and Surface Relaxivity. <i>Journal of Magnetic Resonance Series A</i> , 1994, 111, 169-178.	1.6	235
98	Diffusion measurement in sandstone core: NMR determination of surface-to-volume ratio and surface relaxivity. <i>Magnetic Resonance Imaging</i> , 1994, 12, 325-327.	1.0	54
99	Temperature Dependent Change of Apparent Diffusion Coefficient of Water in Normal and Ischemic Brain of Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 383-390.	2.4	92
100	Time-Dependent Diffusion Coefficient of Fluids in Porous Media as a Probe of Surface-to-Volume Ratio. <i>Journal of Magnetic Resonance Series A</i> , 1993, 101, 342-346.	1.6	358
101	Improved PFG Stimulated-Echo Method for the Measurement of Diffusion in Inhomogeneous Fields. <i>Journal of Magnetic Resonance Series B</i> , 1993, 101, 72-77.	1.6	98
102	Nuclear magnetic resonance properties of rocks at elevated temperatures. <i>Journal of Colloid and Interface Science</i> , 1992, 150, 535-548.	5.0	70