

# Glen C Jickling

## List of Publications by Year in descending order

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131  
papers

5,730  
citations

81743

39  
h-index

85405

71  
g-index

134  
all docs

134  
docs citations

134  
times ranked

7389  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain and Blood microRNA Expression Profiling of Ischemic Stroke, Intracerebral Hemorrhage, and Kainate Seizures. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 92-101.	2.4	458
2	Hemorrhagic Transformation after Ischemic Stroke in Animals and Humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 185-199.	2.4	423
3	Targeting Neutrophils in Ischemic Stroke: Translational Insights from Experimental Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 888-901.	2.4	405
4	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
5	MicroRNA-based therapeutics in central nervous system injuries. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1125-1148.	2.4	173
6	Multilevel omics for the discovery of biomarkers and therapeutic targets for stroke. <i>Nature Reviews Neurology</i> , 2020, 16, 247-264.	4.9	167
7	microRNA Expression in Peripheral Blood Cells following Acute Ischemic Stroke and Their Predicted Gene Targets. <i>PLoS ONE</i> , 2014, 9, e99283.	1.1	165
8	Blood Biomarkers of Ischemic Stroke. <i>Neurotherapeutics</i> , 2011, 8, 349-360.	2.1	163
9	Altered Expression of Long Noncoding RNAs in Blood After Ischemic Stroke and Proximity to Putative Stroke Risk Loci. <i>Stroke</i> , 2016, 47, 2896-2903.	1.0	131
10	Gene Expression Profiling of Blood for the Prediction of Ischemic Stroke. <i>Stroke</i> , 2010, 41, 2171-2177.	1.0	126
11	Signatures of cardioembolic and large-vessel ischemic stroke. <i>Annals of Neurology</i> , 2010, 68, 681-692.	2.8	114
12	Biomarker Panels in Ischemic Stroke. <i>Stroke</i> , 2015, 46, 915-920.	1.0	105
13	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
14	Identification and validation of suitable endogenous reference genes for gene expression studies in human peripheral blood. <i>BMC Medical Genomics</i> , 2009, 2, 49.	0.7	94
15	Gene Expression in Peripheral Immune Cells following Cardioembolic Stroke Is Sexually Dimorphic. <i>PLoS ONE</i> , 2014, 9, e102550.	1.1	84
16	Blood Biomarkers for Stroke Diagnosis and Management. <i>NeuroMolecular Medicine</i> , 2019, 21, 344-368.	1.8	83
17	Prevalence of High-risk Plaques and Risk of Stroke in Patients With Asymptomatic Carotid Stenosis. <i>JAMA Neurology</i> , 2020, 77, 1524.	4.5	81
18	Hemorrhagic Transformation in Ischemic Stroke and the Role of Inflammation. <i>Frontiers in Neurology</i> , 2021, 12, 661955.	1.1	78

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19	Prediction of Cardioembolic, Arterial, and Lacunar Causes of Cryptogenic Stroke by Gene Expression and Infarct Location. <i>Stroke</i> , 2012, 43, 2036-2041.	1.0	77
20	Elevating microRNA-122 in blood improves outcomes after temporary middle cerebral artery occlusion in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1374-1383.	2.4	73
21	Molecular markers and mechanisms of stroke: RNA studies of blood in animals and humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1513-1531.	2.4	71
22	Myelin Basic Protein Associates with A $\beta$ 2PP, A $\beta$ 1-42, and Amyloid Plaques in Cortex of Alzheimer's Disease Brain. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 1213-1229.	1.2	67
23	Effects of Gender on Gene Expression in the Blood of Ischemic Stroke Patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 780-791.	2.4	64
24	Correlations of Gene Expression with Blood Lead Levels in Children with Autism Compared to Typically Developing Controls. <i>Neurotoxicity Research</i> , 2011, 19, 1-13.	1.3	60
25	Myelin Injury and Degraded Myelin Vesicles in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2014, 11, 232-238.	0.7	60
26	Profiles of lacunar and nonlacunar stroke. <i>Annals of Neurology</i> , 2011, 70, 477-485.	2.8	59
27	Carotid Plaque With High-Risk Features in Embolic Stroke of Undetermined Source. <i>Stroke</i> , 2020, 51, 311-314.	1.0	59
28	Ischemic stroke biomarkers in blood. <i>Biomarkers in Medicine</i> , 2013, 7, 37-47.	0.6	57
29	Integrated analysis of mRNA and microRNA expression in mature neurons, neural progenitor cells and neuroblastoma cells. <i>Gene</i> , 2012, 495, 120-127.	1.0	55
30	Distinctive RNA Expression Profiles in Blood Associated With White Matter Hyperintensities in Brain. <i>Stroke</i> , 2010, 41, 2744-2749.	1.0	54
31	Inflammatory, regulatory, and autophagy co-expression modules and hub genes underlie the peripheral immune response to human intracerebral hemorrhage. <i>Journal of Neuroinflammation</i> , 2019, 16, 56.	3.1	51
32	Intravenous rt-PA for acute stroke: comparing its effectiveness in younger and older patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 1234-1237.	0.9	49
33	Intracerebral Hemorrhage and Ischemic Stroke of Different Etiologies Have Distinct Alternatively Spliced mRNA Profiles in the Blood: a Pilot RNA-seq Study. <i>Translational Stroke Research</i> , 2015, 6, 284-289.	2.3	49
34	Improving the translation of animal ischemic stroke studies to humans. <i>Metabolic Brain Disease</i> , 2015, 30, 461-467.	1.4	49
35	The X-Chromosome Has a Different Pattern of Gene Expression in Women Compared With Men With Ischemic Stroke. <i>Stroke</i> , 2012, 43, 326-334.	1.0	48
36	GABA- and acetylcholine-related gene expression in blood correlate with tic severity and microarray evidence for alternative splicing in Tourette syndrome: A pilot study. <i>Brain Research</i> , 2011, 1381, 228-236.	1.1	47

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37	RNA in blood is altered prior to hemorrhagic transformation in ischemic stroke. <i>Annals of Neurology</i> , 2013, 74, 232-240.	2.8	47
38	The intracerebral hemorrhage blood transcriptome in humans differs from the ischemic stroke and vascular risk factor control blood transcriptomes. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1818-1835.	2.4	45
39	<i>Escherichia coli</i> TehB Requires S-Adenosylmethionine as a Cofactor To Mediate Tellurite Resistance. <i>Journal of Bacteriology</i> , 2000, 182, 6509-6513.	1.0	43
40	Distinctive RNA Expression Profiles in Blood Associated With Alzheimer Disease After Accounting for White Matter Hyperintensities. <i>Alzheimer Disease and Associated Disorders</i> , 2014, 28, 226-233.	0.6	43
41	Are Underlying Assumptions of Current Animal Models of Human Stroke Correct: from STAIRs to High Hurdles?. <i>Translational Stroke Research</i> , 2011, 2, 138-143.	2.3	41
42	Leukocyte response is regulated by microRNA let7i in patients with acute ischemic stroke. <i>Neurology</i> , 2016, 87, 2198-2205.	1.5	40
43	Blood Biomarkers in Stroke: Research and Clinical Practice. <i>International Journal of Stroke</i> , 2012, 7, 435-439.	2.9	39
44	Ischemic Transient Neurological Events Identified by Immune Response to Cerebral Ischemia. <i>Stroke</i> , 2012, 43, 1006-1012.	1.0	38
45	MicroRNA and their target mRNAs change expression in whole blood of patients after intracerebral hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 775-786.	2.4	38
46	Circulating Endothelial Progenitor Cells and Age-Related White Matter Changes. <i>Stroke</i> , 2009, 40, 3191-3196.	1.0	37
47	The Light-induced Reactions of Tryptophan with Halocompounds. <i>Photochemistry and Photobiology</i> , 2002, 75, 362.	1.3	36
48	Inflammation Combined with Ischemia Produces Myelin Injury and Plaque-Like Aggregates of Myelin, Amyloid- $\beta$ and A $\beta$ PP in Adult Rat Brain. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 507-523.	1.2	36
49	Transient ischemic attacks characterized by RNA profiles in blood. <i>Neurology</i> , 2011, 77, 1718-1724.	1.5	34
50	Brief Focal Cerebral Ischemia That Simulates Transient Ischemic Attacks in Humans Regulates Gene Expression in Rat Peripheral Blood. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 110-118.	2.4	33
51	Gene Expression Profiling of Blood in Brain Arteriovenous Malformation Patients. <i>Translational Stroke Research</i> , 2011, 2, 575-587.	2.3	31
52	Exon expression and alternatively spliced genes in tourette syndrome. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2011, 156, 72-78.	1.1	30
53	Catecholamine-related gene expression in blood correlates with tic severity in tourette syndrome. <i>Psychiatry Research</i> , 2012, 200, 593-601.	1.7	29
54	Inhibition of Src Family Kinases Protects Hippocampal Neurons and Improves Cognitive Function after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2014, 31, 1268-1276.	1.7	28

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55	Distinct peripheral blood monocyte and neutrophil transcriptional programs following intracerebral hemorrhage and different etiologies of ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1398-1416.	2.4	27
56	Y Chromosome Gene Expression in the Blood of Male Patients With Ischemic Stroke Compared With Male Controls. <i>Gender Medicine</i> , 2012, 9, 68-75.e3.	1.4	25
57	Inhibition of Src family kinases improves cognitive function after intraventricular hemorrhage or intraventricular thrombin. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2359-2367.	2.4	25
58	Molecular Correlates of Hemorrhage and Edema Volumes Following Human Intracerebral Hemorrhage Implicate Inflammation, Autophagy, mRNA Splicing, and T Cell Receptor Signaling. <i>Translational Stroke Research</i> , 2021, 12, 754-777.	2.3	24
59	Bacterial lipopolysaccharide is associated with stroke. <i>Scientific Reports</i> , 2021, 11, 6570.	1.6	24
60	HDAC9 Polymorphism Alters Blood Gene Expression in Patients with Large Vessel Atherosclerotic Stroke. <i>Translational Stroke Research</i> , 2019, 10, 19-25.	2.3	23
61	RNA expression studies in stroke: what can they tell us about stroke mechanism?. <i>Current Opinion in Neurology</i> , 2020, 33, 24-29.	1.8	21
62	Modeling Immunity and Inflammation in Stroke. <i>Stroke</i> , 2014, 45, e179-80.	1.0	20
63	Non-stenotic Carotid Plaques in Embolic Stroke of Unknown Source. <i>Frontiers in Neurology</i> , 2021, 12, 719329.	1.1	20
64	Differences in exon expression and alternatively spliced genes in blood of multiple sclerosis compared to healthy control subjects. <i>Journal of Neuroimmunology</i> , 2011, 230, 124-129.	1.1	19
65	White matter hyperintensities in patients with Parkinson's disease: A systematic review and meta-analysis. <i>Journal of the Neurological Sciences</i> , 2021, 426, 117481.	0.3	19
66	Examination of EmrE conformational differences in various membrane mimetic environments. <i>Biochemistry and Cell Biology</i> , 2003, 81, 61-70.	0.9	18
67	Breaking down barriers to identify hemorrhagic transformation in ischemic stroke. <i>Neurology</i> , 2012, 79, 1632-1633.	1.5	18
68	Genome response to tissue plasminogen activator in experimental ischemic stroke. <i>BMC Genomics</i> , 2010, 11, 254.	1.2	17
69	Whole Genome Expression of Cellular Response to Stroke. <i>Stroke</i> , 2013, 44, S23-5.	1.0	17
70	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
71	Can rt-PA be Administered to the Wrong Patient? Two Patients with Somatoform Disorder. <i>Canadian Journal of Neurological Sciences</i> , 2004, 31, 99-101.	0.3	15
72	Biomarkers of Acute Stroke Etiology (BASE) Study Methodology. <i>Translational Stroke Research</i> , 2017, 8, 424-428.	2.3	15

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73	Cardiac natriuretic peptides for diagnosis of covert atrial fibrillation after acute ischaemic stroke: a meta-analysis of diagnostic accuracy studies. <i>Stroke and Vascular Neurology</i> , 2021, 6, 128-132.	1.5	15
74	Interleukin-6 Predicts Carotid Plaque Severity, Vulnerability, and Progression. <i>Circulation Research</i> , 2022, 131, .	2.0	15
75	Cardioembolic Ischemic Stroke Gene Expression Fingerprint in Blood: a Systematic Review and Verification Analysis. <i>Translational Stroke Research</i> , 2020, 11, 326-336.	2.3	14
76	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
77	Cerebrovascular Reactivity Across the Entire Brain in Cerebral Amyloid Angiopathy. <i>Neurology</i> , 2022, 98, .	1.5	14
78	Acetaminophen toxicity with concomitant use of carbamazepine. <i>Epileptic Disorders</i> , 2009, 11, 329-332.	0.7	13
79	Glibenclamide does not improve outcome following severe collagenase-induced intracerebral hemorrhage in rats. <i>PLoS ONE</i> , 2021, 16, e0252584.	1.1	12
80	Gene expression in blood of subjects with Duchenne muscular dystrophy. <i>Neurogenetics</i> , 2009, 10, 117-125.	0.7	11
81	Genetic variation contributes to gene expression response in ischemic stroke: an eQTL study. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 1648-1660.	1.7	11
82	Correlations of gene expression with ratings of inattention and hyperactivity/impulsivity in tourette syndrome: a pilot study. <i>BMC Medical Genomics</i> , 2012, 5, 49.	0.7	10
83	MicroRNA and mRNA Expression Changes in Steroid Naïve and Steroid Treated DMD Patients. <i>Journal of Neuromuscular Diseases</i> , 2015, 2, 387-396.	1.1	10
84	Cancer-Related Ischemic Stroke Has a Distinct Blood mRNA Expression Profile. <i>Stroke</i> , 2019, 50, 3259-3264.	1.0	10
85	RNA Expression Profiles From Blood for the Diagnosis of Stroke and Its Causes. <i>Journal of Child Neurology</i> , 2011, 26, 1131-1136.	0.7	9
86	Rating total cerebral small-vessel disease. <i>Neurology</i> , 2014, 83, 1224-1225.	1.5	9
87	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
88	Ageing Immune System in Acute Ischemic Stroke. <i>Stroke</i> , 2021, 52, 1355-1361.	1.0	9
89	The Light-induced Reactions of Tryptophan with Halocompounds. <i>Photochemistry and Photobiology</i> , 2007, 75, 362-368.	1.3	8
90	Alternative Splicing of Putative Stroke/Vascular Risk Factor Genes Expressed in Blood Following Ischemic Stroke Is Sexually Dimorphic and Cause-Specific. <i>Frontiers in Neurology</i> , 2020, 11, 584695.	1.1	8

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91	Early apixaban therapy after ischemic stroke in patients with atrial fibrillation. <i>Journal of Neurology</i> , 2021, 268, 1837-1846.	1.8	8
92	Immune Modulation as a Key Mechanism for the Protective Effects of Remote Ischemic Conditioning After Stroke. <i>Frontiers in Neurology</i> , 2021, 12, 746486.	1.1	8
93	Predicting stroke outcome. <i>Neurology</i> , 2019, 92, 157-158.	1.5	7
94	Lysophosphatidylcholine to stratify risk of ischemic stroke in TIA. <i>Neurology</i> , 2015, 84, 17-18.	1.5	6
95	Smoking affects gene expression in blood of patients with ischemic stroke. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1748-1756.	1.7	6
96	Successful dabigatran reversal after subdural hemorrhage using idarucizumab in a mobile stroke unit. <i>Medicine (United States)</i> , 2020, 99, e20200.	0.4	6
97	Genome wide differences of gene expression associated with HLA-DRB1 genotype in multiple sclerosis: A pilot study. <i>Journal of Neuroimmunology</i> , 2013, 257, 90-96.	1.1	5
98	Free fatty acids to predict recurrent ischemic stroke. <i>Neurology</i> , 2014, 82, 1110-1111.	1.5	5
99	mRNA Expression Profiles from Whole Blood Associated with Vasospasm in Patients with Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2020, 33, 82-89.	1.2	5
100	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
101	Predicting stroke mortality. <i>Neurology</i> , 2013, 81, 1970-1971.	1.5	4
102	Carotid plaque inflammation in stroke assessed by PET. <i>Neurology</i> , 2014, 82, 1672-1673.	1.5	4
103	Neutrophil count is related to stroke outcome following endovascular therapy. <i>Neurology</i> , 2019, 93, 194-195.	1.5	4
104	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
105	RNA as a stroke biomarker. <i>Future Neurology</i> , 2017, 12, 71-78.	0.9	3
106	Mesenchymal Stem Cells for Ischemic Stroke. <i>Neurology</i> , 2021, 96, 301-302.	1.5	3
107	Cell-Free DNA in Ischemic Stroke. <i>Stroke</i> , 2022, 53, 1245-1246.	1.0	3
108	Comment: TIA response to antiplatelets stratified by glycated albumin. <i>Neurology</i> , 2015, 84, 1334-1334.	1.5	2

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109	Clinical Reasoning: A case of altered mental status, not otherwise specified. <i>Neurology</i> , 2017, 89, e154-e158.	1.5	2
110	Finding fibrillin in cerebral artery dissection. <i>Neurology</i> , 2018, 90, 399-400.	1.5	2
111	A SNP-it of stroke outcome. <i>Neurology</i> , 2019, 92, 549-550.	1.5	2
112	Letter by Kamtchum-Tatuene and Jickling Regarding Article, "Elevated Lp(a) (Lipoprotein[a]) Levels Increase Risk of 30-Day Major Adverse Cardiovascular Events in Patients Following Carotid Endarterectomy" <i>Stroke</i> , 2021, 52, e64-e65.	1.0	2
113	Can Biomarkers Differentiate Between Ischemic and Hemorrhagic Stroke in the Prehospital Setting?. <i>Neurology</i> , 2021, 96, 689-690.	1.5	2
114	Abstract W P93: MiR-122 Improves Stroke Outcomes after Middle Cerebral Artery Occlusion in Rats. <i>Stroke</i> , 2015, 46, .	1.0	1
115	Abstract 69: Trans-eQTL Analysis of Blood After Ischemic Stroke Reveals X-Linked SNP-Gene Relationships. <i>Stroke</i> , 2020, 51, .	1.0	1
116	Progression of cerebral white matter hyperintensities is related to leucocyte gene expression. <i>Brain</i> , 2022, 145, 3179-3186.	3.7	1
117	Gene Expression Changes Implicate Specific Peripheral Immune Responses to Deep and Lobar Intracerebral Hemorrhages in Humans. <i>Brain Hemorrhages</i> , 2022, , .	0.4	1
118	Left vertebral artery dissection causing bilateral internuclear ophthalmoplegia. <i>Canadian Journal of Emergency Medicine</i> , 2008, 10, 485-487.	0.5	0
119	Excellent response to thrombolysis following prolonged basilar artery occlusion with extensive ischemic changes on MRI. <i>Clinical Neurology and Neurosurgery</i> , 2009, 111, 789-790.	0.6	0
120	Research Highlights: Highlights from the latest articles in biomarkers in medicine. <i>Biomarkers in Medicine</i> , 2014, 8, 383-385.	0.6	0
121	OMICs in Stroke. , 2022, , 714-722.e2.		0
122	Biomarkers for Stroke Subgroups in Blood. <i>Journal of Molecular Biomarkers &amp; Diagnosis</i> , 2010, 01, .	0.4	0
123	Abstract 2357: Src Kinase Inhibition Blocks Thrombin-induced Brain Injuries without Cognitive Side Effects. <i>Stroke</i> , 2012, 43, .	1.0	0
124	Blood Genomics After Brain Ischemia, Hemorrhage, and Trauma. , 2014, , 445-457.		0
125	Inflammatory Biomarkers in Patients with Acute Brain Injuries. , 2014, , 211-234.		0
126	Roles of Neutrophils in Stroke. <i>Springer Series in Translational Stroke Research</i> , 2016, , 273-301.	0.1	0



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127	Abstract TP81: MiR122 Modulates Nos2 to Improve Stroke Outcomes After Middle Cerebral Artery Occlusion in Rats. <i>Stroke</i> , 2017, 48, .	1.0	0
128	Genetics of chronic kidney disease and stroke. <i>Neurology</i> , 2020, 94, 1060-1061.	1.5	0
129	Is stenting equivalent to endarterectomy for asymptomatic carotid stenosis?. <i>Lancet, The</i> , 2022, 399, 1114-1115.	6.3	0
130	How to define fast and slow progressors in any-type occlusion acute ischemic stroke. <i>Canadian Journal of Neurological Sciences</i> , 2022, , 1-16.	0.3	0
131	Abstract T P234: Cell Cycle Inhibition via Blocking Src Family Kinases Promotes Hippocampal Neuron Survival and Improves Cognitive Function after Intraventricular Hemorrhage. <i>Stroke</i> , 2014, 45, .	1.0	0