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List of Publications by Year
in descending order

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90 papers	3,697 citations	125106 35 h-index	169272 56 g-index
92 all docs	92 docs citations	92 times ranked	4564 citing authors

#	Article	IF	Citations
1	Midline Shift Greater than 3Âmm Independently Predicts Outcome After Ischemic Stroke. Neurocritical Care, 2022, 36, 46-51.	1.2	17
2	Biomarkers in the Prediction of Hemorrhagic Transformation in Acute Stroke: A Systematic Review and Meta-Analysis. Cerebrovascular Diseases, 2022, 51, 235-247.	0.8	18
3	Idiopathic primary intraventricular hemorrhage and cerebral small vessel disease. International Journal of Stroke, 2022, 17, 645-653.	2.9	6
4	Bedside detection of intracranial midline shift using portable magnetic resonance imaging. Scientific Reports, 2022, 12, 67.	1.6	21
5	Severe Cerebral Edema in Substance-Related Cardiac Arrest Patients. Resuscitation, 2022, , .	1.3	2
6	A targetable â€˜rogueâ€™ neutrophil-subset, [CD11b+DEspR+] immunotype, is associated with severity and mortality in acute respiratory distress syndrome (ARDS) and COVID-19-ARDS. Scientific Reports, 2022, 12, 5583.	1.6	9
7	Brain-targeting, acid-responsive antioxidant nanoparticles for stroke treatment and drug delivery. Bioactive Materials, 2022, 16, 57-65.	8.6	18
8	Portable, low-field magnetic resonance imaging enables highly accessible and dynamic bedside evaluation of ischemic stroke. Science Advances, 2022, 8, eabm3952.	4.7	43
9	Correlation Between Computed Tomography-Based Tissue Net Water Uptake and Volumetric Measures of Cerebral Edema After Reperfusion Therapy. Stroke, 2022, 53, 2628-2636.	1.0	10
10	Nucleosides Associated With Incident Ischemic Stroke in the REGARDS and JHS Cohorts. Neurology, 2022, 98, .	1.5	10
11	Bedside monitoring of hypoxic ischemic brain injury using low-field, portable brain magnetic resonance imaging after cardiac arrest. Resuscitation, 2022, 176, 150-158.	1.3	14
12	Long-Term Effects of Repeated Blast Exposure in United States Special Operations Forces Personnel: A Pilot Study Protocol. Journal of Neurotrauma, 2022, 39, 1391-1407.	1.7	4
13	Hypoxanthine is a pharmacodynamic marker of ischemic brain edema modified by glibenclamide. Cell Reports Medicine, 2022, 3, 100654.	3.3	3
14	Time-dependent, dynamic prediction of fatty acid-binding protein 4, Galectin-3, and soluble ST2 measurement with poor outcome after acute stroke. International Journal of Stroke, 2021, 16, 660-668.	2.9	8
15	Uric Acid and Gluconic Acid as Predictors of Hyperglycemia and Cytotoxic Injury after Stroke. Translational Stroke Research, 2021, 12, 293-302.	2.3	22
16	Assessment of Brain Injury Using Portable, Low-Field Magnetic Resonance Imaging at the Bedside of Critically Ill Patients. JAMA Neurology, 2021, 78, 41.	4.5	124
17	Machine Learning-Driven Metabolomic Evaluation of Cerebrospinal Fluid: Insights Into Poor Outcomes After Aneurysmal Subarachnoid Hemorrhage. Neurosurgery, 2021, 88, 1003-1011.	0.6	22
18	Electroencephalography, Hospital Complications, and Longitudinal Outcomes After Subarachnoid Hemorrhage. Neurocritical Care, 2021, 35, 397-408.	1.2	8

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19	Continuous Glibenclamide Prevents Hemorrhagic Transformation in a Rodent Model of Severe Ischemia-Reperfusion. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105595.	0.7	4
20	Association of Serum IL-6 (Interleukin 6) With Functional Outcome After Intracerebral Hemorrhage. Stroke, 2021, 52, 1733-1740.	1.0	27
21	Role of Interleukin-1 Receptor-Like 1 (ST2) in Cerebrovascular Disease. Neurocritical Care, 2021, 35, 887-893.	1.2	6
22	Cerebral Edema in Patients With Large Hemispheric Infarct Undergoing Reperfusion Treatment: A HERMES Meta-Analysis. Stroke, 2021, 52, 3450-3458.	1.0	32
23	Early Brain Injury and Soluble ST2 After Nontraumatic Subarachnoid Hemorrhage. Stroke, 2021, 52, e494-e496.	1.0	3
24	Portable, bedside, low-field magnetic resonance imaging for evaluation of intracerebral hemorrhage. Nature Communications, 2021, 12, 5119.	5.8	76
25	Sulfonylurea Receptor 1 in Central Nervous System Injury: An Updated Review. International Journal of Molecular Sciences, 2021, 22, 11899.	1.8	22
26	Predicting Malignant Cerebral Edema After Large Hemispheric Stroke. Neurocritical Care, 2020, 32, 84-85.	1.2	4
27	Role of Sulfonylurea Receptor 1 and Glibenclamide in Traumatic Brain Injury: A Review of the Evidence. International Journal of Molecular Sciences, 2020, 21, 409.	1.8	36
28	Emerging Pharmacological Treatments for Cerebral Edema: Evidence from Clinical Studies. Annual Review of Pharmacology and Toxicology, 2020, 60, 291-309.	4.2	17
29	Poor Outcomes Related to Anterior Extension of Large Hemispheric Infarction: Topographic Analysis of GAMES-RP Trial MRI Scans. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104488.	0.7	3
30	Serum osmolality, cerebrospinal fluid specific gravity and overt hepatic encephalopathy severity in patients with liver failure. Liver International, 2020, 40, 1977-1986.	1.9	3
31	Brain edema takes center stage. Neuroscience Letters, 2020, 736, 135266.	1.0	1
32	Selecting appropriate endpoints for assessing treatment effects in comparative clinical studies for COVID-19. Contemporary Clinical Trials, 2020, 97, 106145.	0.8	10
33	Osmotherapy for malignant cerebral edema in a phase 2 prospective, double blind, randomized, placebo-controlled study of IV glibenclamide. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104916.	0.7	5
34	Soluble ST2 Is Associated With New Epileptiform Abnormalities Following Nontraumatic Subarachnoid Hemorrhage. Stroke, 2020, 51, 1128-1134.	1.0	11
35	Cerebral edema and liver disease: Classic perspectives and contemporary hypotheses on mechanism. Neuroscience Letters, 2020, 721, 134818.	1.0	12
36	Soluble ST2 links inflammation to outcome after subarachnoid hemorrhage. Annals of Neurology, 2019, 86, 384-394.	2.8	16

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37	Anti-edema and antioxidant combination therapy for ischemic stroke via glyburide-loaded betulinic acid nanoparticles. Theranostics, 2019, 9, 6991-7002.	4.6	54
38	BIIB093 (IV glibenclamide): an investigational compound for the prevention and treatment of severe cerebral edema. Expert Opinion on Investigational Drugs, 2019, 28, 1031-1040.	1.9	41
39	Automated Calculation of Alberta Stroke Program Early CT Score. Stroke, 2019, 50, 3277-3279.	1.0	42
40	Intravenous Glibenclamide Reduces Lesional Water Uptake in Large Hemispheric Infarction. Stroke, 2019, 50, 3021-3027.	1.0	50
41	Succinate links atrial dysfunction and cardioembolic stroke. Neurology, 2019, 92, e802-e810.	1.5	20
42	Ensemble of Convolutional Neural Networks Improves Automated Segmentation of Acute Ischemic Lesions Using Multiparametric Diffusion-Weighted MRI. American Journal of Neuroradiology, 2019, 40, 938-945.	1.2	41
43	High-throughput metabolite profiling: identification of plasma taurine as a potential biomarker of functional outcome after aneurysmal subarachnoid hemorrhage. Journal of Neurosurgery, 2019, , 1-8.	0.9	17
44	Association of Reperfusion With Brain Edema in Patients With Acute Ischemic Stroke. JAMA Neurology, 2018, 75, 453.	4.5	101
45	Apparent Diffusion Coefficient Signal Intensity Ratio Predicts the Effect of Revascularization on Ischemic Cerebral Edema. Cerebrovascular Diseases, 2018, 45, 93-100.	0.8	15
46	Reperfusion after ischemic stroke is associated with reduced brain edema. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1807-1817.	2.4	43
47	Cerebral Edema After Cardiopulmonary Resuscitation: A Therapeutic Target Following Cardiac Arrest?. Neurocritical Care, 2018, 28, 276-287.	1.2	51
48	Effect of IV glyburide on adjudicated edema endpoints in the GAMES-RP Trial. Neurology, 2018, 91, e2163-e2169.	1.5	56
49	Profile of intravenous glyburide for the prevention of cerebral edema following large hemispheric infarction: evidence to date. Drug Design, Development and Therapy, 2018, Volume 12, 2539-2552.	2.0	52
50	Comparative Analysis of Markers of Mass Effect after Ischemic Stroke. Journal of Neuroimaging, 2018, 28, 530-534.	1.0	20
51	Long-Term Outcomes in Patients Aged â‰¥70 Years With Intravenous Glyburide From the Phase II GAMES-RP Study of Large Hemispheric Infarction. Stroke, 2018, 49, 1457-1463.	1.0	50
52	Critical Care Management of Acute Ischemic Stroke. Current Treatment Options in Cardiovascular Medicine, 2017, 19, 41.	0.4	26
53	Soluble ST2 predicts outcome and hemorrhagic transformation after acute stroke. Annals of Clinical and Translational Neurology, 2017, 4, 553-563.	1.7	32
54	Perihematomal Edema Expansion Rates and Patient Outcomes in Deep and Lobar Intracerebral Hemorrhage. Neurocritical Care, 2017, 26, 205-212.	1.2	49

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55	Hyperglycemia is associated with more severe cytotoxic injury after stroke. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2577-2583.	2.4	30
56	Metabolite profiling identifies anandamide as a biomarker of nonalcoholic steatohepatitis. JCI Insight, 2017, 2, .	2.3	62
57	Rate of Perihematomal Edema Expansion Predicts Outcome After Intracerebral Hemorrhage. Critical Care Medicine, 2016, 44, 790-797.	0.4	73
58	Today's Approach to Treating Brain Swelling in the Neuro Intensive Care Unit. Seminars in Neurology, 2016, 36, 502-507.	0.5	36
59	Rate of perihaematomal oedema expansion is associated with poor clinical outcomes in intracerebral haemorrhage. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1169-1173.	0.9	52
60	Safety and efficacy of intravenous glyburide on brain swelling after large hemispheric infarction (GAMES-RP): a randomised, double-blind, placebo-controlled phase 2 trial. Lancet Neurology, The, 2016, 15, 1160-1169.	4.9	189
61	Early neurological stability predicts adverse outcome after acute ischemic stroke. International Journal of Stroke, 2016, 11, 882-889.	2.9	26
62	Forced Expiratory Volume in the First Second and Aldosterone as Mediators of Smoking Effect on Stroke in African Americans: The Jackson Heart Study. Journal of the American Heart Association, 2016, 5, .	1.6	1
63	Treatment of Edema Associated With Intracerebral Hemorrhage. Current Treatment Options in Neurology, 2016, 18, 9.	0.7	22
64	Glyburide Advantage in Malignant Edema and Stroke (GAMES-RP) Trial: Rationale and Design. Neurocritical Care, 2016, 24, 132-139.	1.2	43
65	TURN Score Predicts 24-Hour Cerebral Edema After IV Thrombolysis. Neurocritical Care, 2016, 24, 381-388.	1.2	16
66	Ventriculostomy-related infections: The performance of different definitions for diagnosing infection. British Journal of Neurosurgery, 2016, 30, 49-56.	0.4	37
67	Human Data Supporting Glyburide in Ischemic Stroke. Acta Neurochirurgica Supplementum, 2016, 121, 13-18.	0.5	22
68	Novel Imaging Markers of Ischemic Cerebral Edema and Its Association with Neurological Outcome. Acta Neurochirurgica Supplementum, 2016, 121, 223-226.	0.5	4
69	Measurement of Perihematomal Edema in Intracerebral Hemorrhage. Stroke, 2015, 46, 1116-1119.	1.0	59
70	ATS Core Curriculum 2015: Part IV. Adult Critical Care Medicine. Annals of the American Thoracic Society, 2015, 12, 1864-1872.	1.5	1
71	Targeting secondary injury in intracerebral haemorrhageâ€"perihaematomal oedema. Nature Reviews Neurology, 2015, 11, 111-122.	4.9	207
72	Low neurologic intensive care unit hemoglobin as a predictor for intra-arterial vasospasm therapy and poor discharge modified Rankin Scale in aneurysmal subarachnoid haemorrhage-induced cerebral vasospasm. Journal of NeuroInterventional Surgery, 2015, 7, 438-442.	2.0	8

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73	Recommendations for the Management of Cerebral and Cerebellar Infarction With Swelling. Stroke, 2014, 45, 1222-1238.	1.0	403
74	Brain Edema Predicts Outcome After Nonlacunar Ischemic Stroke. Stroke, 2014, 45, 3643-3648.	1.0	130
75	Glibenclamide in Cerebral Ischemia and Stroke. Neurocritical Care, 2014, 20, 319-333.	1.2	74
76	Glyburide is Associated with Attenuated Vasogenic Edema in Stroke Patients. Neurocritical Care, 2014, 20, 193-201.	1.2	73
77	Pilot Study of Intravenous Glyburide in Patients With a Large Ischemic Stroke. Stroke, 2014, 45, 281-283.	1.0	82
78	Prediction of ventriculoperitoneal shunt placement based on type of failure during external ventricular drain wean. Clinical Neurology and Neurosurgery, 2014, 125, 109-113.	0.6	26
79	Fluid-Attenuated Inversion Recovery Hyperintensity Correlates With Matrix Metalloproteinase-9 Level and Hemorrhagic Transformation in Acute Ischemic Stroke. Stroke, 2014, 45, 1040-1045.	1.0	50
80	Exploratory Analysis of Glyburide as a Novel Therapy for Preventing Brain Swelling. Neurocritical Care, 2014, 21, 43-51.	1.2	41
81	Tracheostomy after Severe Ischemic Stroke: A Population-based Study. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 1024-1029.	0.7	21
82	Validating Imaging Biomarkers of Cerebral Edema in Patients With Severe Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 742-749.	0.7	44
83	Metabolite Profiling Identifies a Branched Chain Amino Acid Signature in Acute Cardioembolic Stroke. Stroke, 2013, 44, 1389-1395.	1.0	97
84	Sex differences and hemoglobin levels in relation to stroke outcomes. Neurology, 2013, 80, 719-724.	1.5	27
85	Does inhibiting Sur1 complement rtâ€PA in cerebral ischemia?. Annals of the New York Academy of Sciences, 2012, 1268, 95-107.	1.8	48
86	Biomarkers in Neurocritical Care. Neurotherapeutics, 2012, 9, 17-23.	2.1	4
87	Lower Hemoglobin Correlates with Larger Stroke Volumes in Acute Ischemic Stroke. Cerebrovascular Diseases Extra, 2011, 1, 44-53.	0.5	41
88	Approach to Severe Hemispheric Stroke. Neurology, 2011, 76, S50-6.	1.5	28
89	Notch and the Amyloid Precursor Protein Are Cleaved by Similar Î³-Secretase(s)â€. Biochemistry, 2003, 42, 137-144.	1.2	110
90	Complex N-linked Glycosylated Nicastrin Associates with Active Î³-Secretase and Undergoes Tight Cellular Regulation. Journal of Biological Chemistry, 2002, 277, 35113-35117.	1.6	101