Aneesh B Singhal

List of Publications by Year
in descending order

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135 papers	8,595 citations	71061 41 h-index	45285 90 g-index
137 all docs	137 docs citations	137 times ranked	7653 citing authors

#	Article	IF	Citations
1	Narrative Review: Reversible Cerebral Vasoconstriction Syndromes. Annals of Internal Medicine, 2007, 146, 34.	2.0	807
2	An evidence-based causative classification system for acute ischemic stroke. Annals of Neurology, 2005, 58, 688-697.	2.8	573
3	Reversible Cerebral Vasoconstriction Syndromes. Archives of Neurology, 2011, 68, 1005.	4.9	542
4	A Computerized Algorithm for Etiologic Classification of Ischemic Stroke. Stroke, 2007, 38, 2979-2984.	1.0	396
5	Collateral Vessels on CT Angiography Predict Outcome in Acute Ischemic Stroke. Stroke, 2009, 40, 3001-3005.	1.0	319
6	Primary angiitis of the CNS. Lancet Neurology, The, 2011, 10, 561-572.	4.9	303
7	The Pattern of Leptomeningeal Collaterals on CT Angiography Is a Strong Predictor of Long-Term Functional Outcome in Stroke Patients With Large Vessel Intracranial Occlusion. Stroke, 2010, 41, 2316-2322.	1.0	298
8	A Pilot Study of Normobaric Oxygen Therapy in Acute Ischemic Stroke. Stroke, 2005, 36, 797-802.	1.0	268
9	Postpartum Angiopathy With Reversible Posterior Leukoencephalopathy. Archives of Neurology, 2004, 61, 411.	4.9	246
10	Epidemiology, aetiology, and management of ischaemic stroke in young adults. Lancet Neurology, The, 2018, 17, 790-801.	4.9	239
11	Field Assessment Stroke Triage for Emergency Destination. Stroke, 2016, 47, 1997-2002.	1.0	213
12	Recognition and management of stroke in young adults and adolescents. Neurology, 2013, 81, 1089-1097.	1.5	188
13	Normobaric hyperoxia reduces MRI diffusion abnormalities and infarct size in experimental stroke. Neurology, 2002, 58, 945-952.	1.5	182
14	Safety and efficacy of natalizumab in patients with acute ischaemic stroke (ACTION): a randomised, placebo-controlled, double-blind phase 2 trial. Lancet Neurology, The, 2017, 16, 217-226.	4.9	176
15	Acute Ischemic Stroke Patterns in Infective and Nonbacterial Thrombotic Endocarditis. Stroke, 2002, 33, 1267-1273.	1.0	167
16	Effects of Normobaric Hyperoxia in a Rat Model of Focal Cerebral Ischemiaâ€”Reperfusion. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 861-868.	2.4	157
17	Mitogen-Activated Protein Kinase Inhibition in Traumatic Brain Injury: In Vitro and In Vivo Effects. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 444-452.	2.4	156
18	Reversible cerebral vasoconstriction syndromes and primary angiitis of the central nervous system: clinical, imaging, and angiographic comparison. Annals of Neurology, 2016, 79, 882-894.	2.8	156

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19	Severity of Leukoaraiosis and Susceptibility to Infarct Growth in Acute Stroke. Stroke, 2008, 39, 1409-1413.	1.0	155
20	Postpartum Angiopathy and Other Cerebral Vasoconstriction Syndromes. Neurocritical Care, 2005, 3, 091-097.	1.2	139
21	Prognosis of Untreated Strokes Due to Anterior Circulation Proximal Intracranial Arterial Occlusions Detected by Use of Computed Tomography Angiography. JAMA Neurology, 2014, 71, 151.	4.5	136
22	Brain Edema Predicts Outcome After Nonlacunar Ischemic Stroke. Stroke, 2014, 45, 3643-3648.	1.0	130
23	Acute Brain Infarct: Detection and Delineation with CT Angiographic Source Images versus Nonenhanced CT Scans. Radiology, 2007, 244, 541-548.	3.6	128
24	A review of oxygen therapy in ischemic stroke. Neurological Research, 2007, 29, 173-183.	0.6	125
25	Normobaric hyperoxia extends the reperfusion window in focal cerebral ischemia. Annals of Neurology, 2005, 57, 571-575.	2.8	121
26	RCVS ₂ score and diagnostic approach for reversible cerebral vasoconstriction syndrome. Neurology, 2019, 92, e639-e647.	1.5	117
27	Glucocorticoid-associated worsening in reversible cerebral vasoconstriction syndrome. Neurology, 2017, 88, 228-236.	1.5	114
28	Diffusion MRI in three types of anoxic encephalopathy. Journal of the Neurological Sciences, 2002, 196, 37-40.	0.3	103
29	Case 8-2009. New England Journal of Medicine, 2009, 360, 1126-1137.	13.9	101
30	Cerebral Vasoconstriction Syndromes. Topics in Stroke Rehabilitation, 2004, 11, 1-6.	1.0	94
31	Corticospinal Tract Diffusion Abnormalities Early After Stroke Predict Motor Outcome. Neurorehabilitation and Neural Repair, 2014, 28, 751-760.	1.4	90
32	Outcomes With Edoxaban Versus Warfarin in Patients With Previous Cerebrovascular Events. Stroke, 2016, 47, 2075-2082.	1.0	83
33	Hemorrhagic Reversible Cerebral Vasoconstriction Syndrome. Stroke, 2016, 47, 1742-1747.	1.0	79
34	Magnetic Resonance Spectroscopy Study of Oxygen Therapy in Ischemic Stroke. Stroke, 2007, 38, 2851-2854.	1.0	77
35	Admission international normalized ratio and acute infarct volume in ischemic stroke. Annals of Neurology, 2008, 64, 499-506.	2.8	74
36	Long-term outcomes after reversible cerebral vasoconstriction syndrome. Cephalalgia, 2016, 36, 387-394.	1.8	57

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37	Oxygen Therapy in Stroke: Past, Present, and Future. International Journal of Stroke, 2006, 1, 191-200.	2.9	55
38	Natalizumab in acute ischemic stroke (ACTION II). Neurology, 2020, 95, e1091-e1104.	1.5	55
39	Interexaminer Difference in Infarct Volume Measurements on MRI. Stroke, 2008, 39, 1171-1176.	1.0	53
40	Stroke Prevention in Symptomatic Large Artery Intracranial Atherosclerosis Practice Advisory. Neurology, 2022, 98, 486-498.	1.5	46
41	Recrudescence of Deficits After Stroke. JAMA Neurology, 2017, 74, 1048.	4.5	45
42	Stability of large diffusion/perfusion mismatch in anterior circulation strokes for 4 or more hours. BMC Neurology, 2010, 10, 13.	0.8	44
43	Differentiating Reversible Cerebral Vasoconstriction Syndrome With Subarachnoid Hemorrhage From Other Causes of Subarachnoid Hemorrhage. JAMA Neurology, 2013, 70, 1254-60.	4.5	43
44	Lower Hemoglobin Correlates with Larger Stroke Volumes in Acute Ischemic Stroke. Cerebrovascular Diseases Extra, 2011, 1, 44-53.	0.5	41
45	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
46	Functional Status Predicts Acute Care Readmissions from Inpatient Rehabilitation in the Stroke Population. PLoS ONE, 2015, 10, e0142180.	1.1	38
47	Diagnostic challenges in RCVS, PACNS, and other cerebral arteriopathies. Cephalalgia, 2011, 31, 1067-1070.	1.8	37
48	Effects of normobaric oxygen on the progression of focal cerebral ischemia in rats. Experimental Neurology, 2013, 249, 33-38.	2.0	37
49	Combination therapy with normobaric oxygen (NBO) plus thrombolysis in experimental ischemic stroke. BMC Neuroscience, 2009, 10, 79.	0.8	32
50	Stroke in Pregnancy. Neurologic Clinics, 2019, 37, 131-148.	0.8	28
51	Baseline Predictors of Poor Outcome in Patients Too Good to Treat With Intravenous Thrombolysis. Stroke, 2016, 47, 2986-2992.	1.0	27
52	Gender and hormonal influences in reversible cerebral vasoconstriction syndrome. European Stroke Journal, 2016, 1, 199-204.	2.7	26
53	Age-Dependent Susceptibility to Infarct Growth in Women. Stroke, 2011, 42, 947-951.	1.0	24
54	Coexisting vascular lesions in reversible cerebral vasoconstriction syndrome. Cephalalgia, 2017, 37, 29-35.	1.8	24

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55	Cerebrovascular fibromuscular dysplasia. Neurology: Clinical Practice, 2017, 7, 225-236.	0.8	24
56	Advances in Stroke Neuroprotection: Hyperoxia and Beyond. Neuroimaging Clinics of North America, 2005, 15, 697-720.	0.5	22
57	Cerebrovascular Disorders Complicating Pregnancy. CONTINUUM Lifelong Learning in Neurology, 2014, 20, 80-99.	0.4	22
58	Symmetric CTA Collaterals Identify Patients with Slow-progressing Stroke Likely to Benefit from Late Thrombectomy. Radiology, 2022, 302, 400-407.	3.6	22
59	Effect of Normobaric Oxygen Therapy in a Rat Model of Intracerebral Hemorrhage. Stroke, 2011, 42, 1469-1472.	1.0	21
60	Evaluating effects of normobaric oxygen therapy in acute stroke with MRI-based predictive models. Medical Gas Research, 2012, 2, 5.	1.2	21
61	Diffusionâ€Weighted Magnetic Resonance Imaging Abnormalities in Bartonella Encephalopathy. Journal of Neuroimaging, 2003, 13, 79-82.	1.0	19
62	Mechanical Thrombectomy in Stroke from Infective Endocarditis: Case Report and Review. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104501.	0.7	19
63	Stroke in Pregnancy. Obstetrics and Gynecology Clinics of North America, 2021, 48, 75-96.	0.7	19
64	Oxygen Therapy in Ischemic Stroke. Stroke, 2003, 34, e152-3; author reply e153-5.	1.0	18
65	High-flow oxygen therapy for treatment of acute migraine: A randomized crossover trial. Cephalalgia, 2017, 37, 730-736.	1.8	17
66	Normobaric hyperoxygenation: a potential neuroprotective therapy for acute ischemic stroke?. Expert Review of Neurotherapeutics, 2017, 17, 1131-1134.	1.4	17
67	Unwitnessed Stroke: Impact of Different Onset Times on Eligibility into Stroke Trials. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 241-243.	0.7	16
68	Dynamic Functional Cerebral Blood Volume Responses to Normobaric Hyperoxia in Acute Ischemic Stroke. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1800-1809.	2.4	14
69	Case 26-2020: A 60-Year-Old Woman with Altered Mental Status and Weakness on the Left Side. New England Journal of Medicine, 2020, 383, 764-773.	13.9	14
70	Posterior Reversible Encephalopathy Syndrome and Reversible Cerebral Vasoconstriction Syndrome as Syndromes of Cerebrovascular Dysregulation. CONTINUUM Lifelong Learning in Neurology, 2021, 27, 1301-1320.	0.4	14
71	Reversible cerebral vasoconstriction syndrome with reversible renal artery stenosis. Neurology, 2015, 85, 201-202.	1.5	13
72	An optimal Wilcoxonâ€“Mannâ€“Whitney test of mortality and a continuous outcome. Statistical Methods in Medical Research, 2018, 27, 2384-2400.	0.7	13

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73	Identifying Severe Stroke Patients Likely to Benefit From Thrombectomy Despite Delays of up to a Day. Scientific Reports, 2020, 10, 4008.	1.6	13
74	Hemorrhagic primary CNS angiitis and vasoconstrictive drug exposure. Neurology: Clinical Practice, 2017, 7, 26-34.	0.8	12
75	Subdural Hematoma: Predictors of Outcome and a Score to Guide Surgical Decision-Making. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 105180.	0.7	12
76	Spontaneous Hyperacute Postischemic Hemorrhage Leading to Death. Journal of Neuroimaging, 2004, 14, 361-364.	1.0	11
77	An Examination of Stroke Risk and Burden in South Asians. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2145-2153.	0.7	11
78	Reversible Cerebral Vasoconstriction Syndromes: What the Cardiologist Should Know. Current Treatment Options in Cardiovascular Medicine, 2014, 16, 290.	0.4	10
79	Regional Changes in Patterns of Stroke Presentation During the COVID-19 Pandemic. Stroke, 2021, 52, 1398-1406.	1.0	10
80	Advances in Emerging Nondrug Therapies for Acute Stroke 2007. Stroke, 2008, 39, 289-291.	1.0	9
81	Different Effects of Normobaric Oxygen in Normotensive Versus Hypertensive Rats After Focal Cerebral Ischemia. Stroke, 2018, 49, 1534-1537.	1.0	9
82	Isolated Upper Limb Weakness From Ischemic Stroke: Mechanisms and Outcome. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 2712-2719.	0.7	9
83	Regional differences in ischemic stroke in India (north vs. south). International Journal of Stroke, 2019, 14, 706-714.	2.9	9
84	The Indo-US Collaborative Stroke Registry and infrastructure development project. Neurology India, 2018, 66, 276.	0.2	9
85	Diffusion-weighted magnetic resonance imaging abnormalities in Bartonella encephalopathy. , 2003, 13, 79-82.		8
86	Reversible Posterior Leukoencephalopathy, Cerebral Vasoconstriction, and Strokes After Intravenous Immune Globulin Therapy in Guillain-BarrÃ© Syndrome. , 2005, 15, 188-192.		7
87	Stroke Physician Training in China. Stroke, 2017, 48, e338-e340.	1.0	7
88	Post-stroke Recrudescence from Infection: an Immunologic Mechanism?. Translational Stroke Research, 2019, 10, 146-149.	2.3	7
89	Cerebral venous sinus thrombosis associated with hepatic cirrhosis. Journal of the Neurological Sciences, 1999, 171, 65-68.	0.3	6
90	Comparing prognostic strength of acute corticospinal tract injury measured by a new diffusion tensor imaging based template approach versus common approaches. Journal of Neuroscience Methods, 2016, 257, 204-213.	1.3	6

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91	Prognostication in Acute Neurological Emergencies. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106277.	0.7	6
92	Reversible Cerebral Vasoconstriction Syndromes. , 2011, , 765-771.		5
93	Intracranial hemorrhage in patients with atrial fibrillation receiving anticoagulation with warfarin or edoxaban: An in-depth analysis from the ENGAGE AF-TIMI 48 randomized trial. Journal of Clinical Neuroscience, 2021, 86, 294-300.	0.8	5
94	Endovascular Treatment of Infective Endocarditis-Related Acute Large Vessel Occlusion Stroke. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105775.	0.7	5
95	Reversible cerebral vasoconstriction syndromes. , 0, , 505-514.		5
96	Intracerebral hemorrhage: update and future directions. Arquivos De Neuro-Psiquiatria, 2020, 78, 651-659.	0.3	5
97	Spontaneous Hyperacute Postischemic Hemorrhage Leading to Death. , 2004, 14, 361-364.		5
98	Neuroprotection: Lessons from a Spectrum of Neurological Disorders. International Journal of Stroke, 2006, 1, 97-99.	2.9	4
99	Ischemic Stroke: Basic Pathophysiology and Neuroprotective Strategies. , 2011, , 1-24.		4
100	Supplemental oxygen delivery to suspected stroke patients in pre hospital and emergency department settings. Medical Gas Research, 2014, 4, 16.	1.2	4
101	Reduced Ischemic Lesion Growth with Heparin in Acute Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 1500-1508.	0.7	4
102	Novel Imaging Markers of Ischemic Cerebral Edema and Its Association with Neurological Outcome. Acta Neurochirurgica Supplementum, 2016, 121, 223-226.	0.5	4
103	Impact of Pre-Stroke Antiplatelet Use on 3-Month Outcome After Ischemic Stroke. Neurology India, 2021, 69, 1645.	0.2	4
104	Direct to Angioâ€Suite Large Vessel Occlusion Stroke Transfers Achieve Faster Arrivalâ€toâ€Puncture Times and Improved Outcomes. , 2022, 2, .		4
105	Effects of common medications on cerebral vasospasm after subarachnoid haemorrhage. Expert Opinion on Drug Safety, 2006, 5, 57-65.	1.0	3
106	Life after stroke. Neurology, 2014, 83, 1128-1129.	1.5	3
107	Other cerebrovascular occlusive disease. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 135, 317-350.	1.0	3
108	Cerebral Arteriopathies, Venous Thrombosis, and Migraine. Seminars in Neurology, 2017, 37, 339-350.	0.5	3

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109	Current Treatment Options in Cardiovascular Medicine: Update on Reversible Cerebral Vasoconstriction Syndrome. Current Treatment Options in Cardiovascular Medicine, 2020, 22, 1.	0.4	3
110	Characterizing Reasons for Stroke Thrombectomy Ineligibility Among Potential Candidates Transferred in a Hubâ€andâ€Spoke Network. , 2022, 2, .		3
111	Stroke in children and young adults. , 0, , 511-533.		2
112	Case 40-2017. New England Journal of Medicine, 2017, 377, 2581-2590.	13.9	2
113	Premature vascular disease in young adult stroke: a pathology-based case series. Journal of Neurology, 2020, 267, 1063-1069.	1.8	2
114	Cerebral Microembolism in Intracerebral Hemorrhage: A Prospective Caseâ€“Control Study. Neurocritical Care, 2021, 34, 547-556.	1.2	2
115	Impact of revascularization therapies on outcome of posterior circulation ischemic stroke: The Indo-US stroke project. Journal of the Neurological Sciences, 2021, 427, 117499.	0.3	2
116	Use of Prolonged Cardiac Rhythm Monitoring to Identify Atrial Fibrillation After Cryptogenic Stroke. Current Cardiology Reports, 2022, 24, 337-346.	1.3	2
117	Reversible Cerebral Vasoconstriction Syndromes. , 2016, , 632-639.		1
118	Optimal Weighted Wilcoxonâ€“Mannâ€“Whitney Test for Prioritized Outcomes. ICSA Book Series in Statistics, 2018, , 3-40.	0.0	1
119	Author response: RCVS2 score and diagnostic approach for reversible cerebral vasoconstriction syndrome. Neurology, 2020, 94, 946-946.	1.5	1
120	Cerebral Small Vessel Diseases and Sleep Related Strokes. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104606.	0.7	1
121	Reversible Cerebral Vasoconstriction Syndromes. , 2022, , 548-555.e2.		1
122	Neurology Morbidity and Mortality Conferences and Quality Improvement: Single-Center Experience and National Survey. Neurohospitalist, The, 2022, 12, 231-240.	0.3	1
123	Reversible Cerebral Vasoconstriction Syndrome. , 0, , 597-605.		0
124	Ischemic Stroke: Basic Pathophysiology and Neuroprotective Strategies. , 2006, , 1-26.		0
125	Underdiagnosis of reversible cerebral vasoconstriction syndromes. , 0, , 171-184.		0
126	Recurrent Ischemic and Hemorrhagic Strokes in a Young Adult. JAMA Neurology, 2018, 75, 628.	4.5	0

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127	Re: Predictors and outcomes of hemorrhagic stroke in reversible cerebral vasoconstriction syndrome (Garg et al., Volume 421, 117312, February 15, 2021). Journal of the Neurological Sciences, 2021, 424, 117427.	0.3	0
128	Clinical Reasoning: An 81-Year-Old Woman Who Insisted the Hospital Was Her Home. Neurology, 2021, 97, 10.1212/WNL.0000000000012392.	1.5	0
129	Primary Angiitis of the Central Nervous System and Reversible Cerebral Vasoconstriction Syndromes. , 2009, , 311-316.		0
130	A 66 Year Old Woman with Recurrent Stroke. Neurology India, 2020, 68, 17.	0.2	0
131	Pulse on Stroke in Pulseless Disease (Takayasu Arteritis). Stroke, 2022, 53, 1558-1559.	1.0	0
132	Abstract 1122â€000031: Reasons Thrombectomy Candidates Become Ineligible After Transfer for Treatment in a Hubâ€andâ€Spoke Telestroke Model. , 2021, 1, .		0
133	Abstract 1122â€000023: In a Hubâ€andâ€Spoke Network, Spokeâ€Administered Thrombolysis Reduces Mechanical Thrombectomy Procedure Time and Number of Passes. , 2021, 1, .		0
134	Case 12-2022: A 41-Year-Old Woman with Transient Ischemic Attack and Mitral Valve Masses. New England Journal of Medicine, 2022, 386, 1560-1570.	13.9	0
135	Nonthrombolytic Acute Stroke Therapies. , 0, , 97-122.		0