

# Shahid M Nimjee

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

3,465  
citations

236833

25  
h-index

138417

58  
g-index

84  
all docs

84  
docs citations

84  
times ranked

4220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamers: An Emerging Class of Therapeutics. <i>Annual Review of Medicine</i> , 2005, 56, 555-583.	5.0	868
2	Aptamers as Therapeutics. <i>Annual Review of Pharmacology and Toxicology</i> , 2017, 57, 61-79.	4.2	383
3	Antidote-mediated control of an anticoagulant aptamer in vivo. <i>Nature Biotechnology</i> , 2004, 22, 1423-1428.	9.4	318
4	CORRELATION OF SERUM BRAIN NATRIURETIC PEPTIDE WITH HYPONATREMIA AND DELAYED ISCHEMIC NEUROLOGICAL DEFICITS AFTER SUBARACHNOID HEMORRHAGE. <i>Neurosurgery</i> , 2004, 54, 1369-1374.	0.6	154
5	Review of the literature on de novo formation of cavernous malformations of the central nervous system after radiation therapy. <i>Neurosurgical Focus</i> , 2006, 21, 1-6.	1.0	151
6	Relationship of Cine Phase-Contrastmri to Outcome After Decompressionfor Chiari I Malformation. <i>Neurosurgery</i> , 2006, 59, 140-146.	0.6	115
7	The potential of aptamers as anticoagulants. <i>Trends in Cardiovascular Medicine</i> , 2005, 15, 41-45.	2.3	87
8	Correlation of Cerebrospinal Fluid Flow Dynamics and Headache in Chiari I Malformation. <i>Neurosurgery</i> , 2005, 56, 716-721.	0.6	85
9	Minimally Invasive Lumbar Interbody Fusion in Patients Older Than 70 Years of Age: Analysis of Peri- and Postoperative Complications. <i>Neurosurgery</i> , 2011, 68, 897-902.	0.6	80
10	A Novel Antidote-Controlled Anticoagulant Reduces Thrombin Generation and Inflammation and Improves Cardiac Function in Cardiopulmonary Bypass Surgery. <i>Molecular Therapy</i> , 2006, 14, 408-415.	3.7	79
11	Ischemic stroke in COVID-19-positive patients: an overview of SARS-CoV-2 and thrombotic mechanisms for the neurointerventionalist. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 202-206.	2.0	75
12	Targeted inhibition of $\alpha_3\beta_1$ integrin with an RNA aptamer impairs endothelial cell growth and survival. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 956-963.	1.0	74
13	Risk of cerebral vasospasm after subarachnoid hemorrhage reduced by statin therapy: a multivariate analysis of an institutional experience. <i>Journal of Neurosurgery</i> , 2006, 105, 671-674.	0.9	68
14	Long-term Economic Impact of Coiling vs Clipping for Unruptured Intracranial Aneurysms. <i>Neurosurgery</i> , 2013, 72, 1000-1013.	0.6	53
15	Preclinical Development of a vWF Aptamer to Limit Thrombosis and Engender Arterial Recanalization of Occluded Vessels. <i>Molecular Therapy</i> , 2019, 27, 1228-1241.	3.7	52
16	Synergistic effect of aptamers that inhibit exosites 1 and 2 on thrombin. <i>Rna</i> , 2009, 15, 2105-2111.	1.6	50
17	Beyond the Brain: The Systemic Pathophysiological Response to Acute Ischemic Stroke. <i>Journal of Stroke</i> , 2020, 22, 159-172.	1.4	50
18	Pipeline embolization device for recurrence of previously treated aneurysms. <i>Neurosurgical Focus</i> , 2017, 42, E8.	1.0	45

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19	Glycoprotein IIb/IIIa Inhibitors in Prevention and Rescue Treatment of Thromboembolic Complications During Endovascular Embolization of Intracranial Aneurysms. <i>Neurosurgery</i> , 2018, 82, 268-277.	0.6	42
20	Thrombectomy with Conscious Sedation Compared with General Anesthesia: A DEFUSE 3 Analysis. <i>American Journal of Neuroradiology</i> , 2019, 40, 1001-1005.	1.2	39
21	History of bipolar coagulation. <i>Neurosurgical Review</i> , 2006, 29, 93-96.	1.2	37
22	Woven EndoBridge (WEB) device in the treatment of ruptured aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 443-446.	2.0	35
23	Elevated Expression of MiR-17 in Microglia of Alzheimer's Disease Patients Abrogates Autophagy-Mediated Amyloid- $\beta$ Degradation. <i>Frontiers in Immunology</i> , 2021, 12, 705581.	2.2	34
24	Single-stage bilateral choroid plexectomy for choroid plexus papilloma in a patient presenting with high cerebrospinal fluid output. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 5, 342-345.	0.8	27
25	RELATIONSHIP OF CINE PHASE-CONTRAST MRI TO OUTCOME AFTER DECOMPRESSION FOR CHIARI I MALFORMATION. <i>Neurosurgery</i> , 2006, 59, 140-146.	0.6	27
26	Long-term follow-up in children with functional hemispherectomy for Rasmussen's encephalitis. <i>Child's Nervous System</i> , 2005, 21, 461-465.	0.6	26
27	Translation and Clinical Development of Antithrombotic Aptamers. <i>Nucleic Acid Therapeutics</i> , 2016, 26, 147-155.	2.0	26
28	Primary Intradural Extrasosseous Ewing Sarcoma of the Spine: Case Report and Literature Review. <i>Neurosurgery</i> , 2011, 69, E995-E999.	0.6	25
29	Caspase-4/11 exacerbates disease severity in SARS-CoV-2 infection by promoting inflammation and immunothrombosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202012119.	3.3	25
30	PREVALENCE OF ANTIBODIES TO HUMAN HERPESVIRUS 8 (HHV-8) IN SAUDI ARABIAN PATIENTS WITH AND WITHOUT RENAL FAILURE <sup>1234</sup> . <i>Transplantation</i> , 2001, 71, 1120-1124.	0.5	22
31	Endovascular treatment of venous sinus thrombosis: a case report and review of the literature. <i>Journal of NeuroInterventional Surgery</i> , 2011, 3, 30-33.	2.0	21
32	Inadvertent Arterial Placement of Central Venous Catheters: Systematic Review and Guidelines for Treatment. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 1785-1794.	0.2	20
33	Rapid ventricular pacing for a basilar artery pseudoaneurysm in a pediatric patient: case report. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 15, 625-629.	0.8	18
34	PERK Inhibition Mitigates Restenosis and Thrombosis. <i>JACC Basic To Translational Science</i> , 2020, 5, 245-263.	1.9	16
35	Mechanisms of fibrinolysis resistance and potential targets for thrombolysis in acute ischaemic stroke: lessons from retrieved stroke emboli. <i>Stroke and Vascular Neurology</i> , 2021, 6, 658-667.	1.5	16
36	Rapidly Regulating Platelet Activity In Vivo With an Antidote Controlled Platelet Inhibitor. <i>Molecular Therapy</i> , 2012, 20, 391-397.	3.7	15

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37	C2-C3 Anterior Cervical Arthrodesis in the Treatment of Bow Hunter's Syndrome: Case Report and Review of the Literature. <i>World Neurosurgery</i> , 2018, 118, 284-289.	0.7	15
38	Percutaneous pedicle screw placement in the thoracic spine: A cadaveric study. <i>Journal of Innovative Optical Health Sciences</i> , 2013, 8, 153-156.	0.5	15
39	Enhanced, Rapid Occlusion of Carotid and Vertebral Arteries Using the AMPLATZER Vascular Plug II Device: The Duke Cerebrovascular Center Experience in 8 Patients with 22 AMPLATZER Vascular Plug II Devices. <i>World Neurosurgery</i> , 2015, 83, 62-68.	0.7	14
40	Early neurologic decline in acute ischemic stroke patients receiving thrombolysis with large vessel occlusion and mild deficits. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 1085-1087.	2.0	13
41	Therapeutic Aptamers: Evolving to Find their Clinical Niche. <i>Current Medicinal Chemistry</i> , 2020, 27, 4181-4193.	1.2	13
42	Sex differences in thrombosis as it affects acute ischemic stroke. <i>Neurobiology of Disease</i> , 2022, 165, 105647.	2.1	13
43	Anesthesia for Interventional Neuroradiology. <i>International Anesthesiology Clinics</i> , 2015, 53, 87-106.	0.3	12
44	Comparison of Total versus Partial Revision of Initial Ventriculoperitoneal Shunt Failures. <i>Pediatric Neurosurgery</i> , 2003, 38, 34-40.	0.4	11
45	RNA Aptamer Therapy for Vaso-Occlusion in Sickle Cell Disease. <i>Nucleic Acid Therapeutics</i> , 2011, 21, 275-283.	2.0	11
46	Reversal of Systemic Anticoagulants and Antiplatelet Therapeutics. <i>Neurosurgery Clinics of North America</i> , 2018, 29, 537-545.	0.8	11
47	The Use of Adenosine in Cerebral Aneurysm Clipping: A Review. <i>Current Anesthesiology Reports</i> , 2013, 3, 210-213.	0.9	9
48	Spinal Epidural Hematoma Following Epidural Steroid Injection in a Patient Treated with Dabigatran. <i>JBJS Case Connector</i> , 2013, 3, e64.	0.1	8
49	Suppression of Fibrinolysis and Hypercoagulability, Severity of Hypoxemia, and Mortality in COVID-19 Patients: A Retrospective Cohort Study. <i>Anesthesiology</i> , 2022, 137, 67-78.	1.3	8
50	Aptamers to Proteins. , 2006, , 131-166.		7
51	Tongue swelling and necrosis after brain tumor surgery. <i>Journal of Innovative Optical Health Sciences</i> , 2012, 7, 214-216.	0.5	7
52	Ferric Chloride-induced Canine Carotid Artery Thrombosis: A Large Animal Model of Vascular Injury. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	6
53	Use of Antiplatelet Agents in the Neurosurgical Patient. <i>Neurosurgery Clinics of North America</i> , 2018, 29, 517-527.	0.8	4
54	One and Done: Multimodal Treatment of Pediatric Cerebral Arteriovenous Malformations in a Single Anesthesia Event. <i>World Neurosurgery</i> , 2019, 130, e715-e721.	0.7	4

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55	Ischemic stroke-induced polyaxonal innervation at the neuromuscular junction is attenuated by robot-assisted mechanical therapy. <i>Experimental Neurology</i> , 2021, 343, 113767.	2.0	4
56	Management of tandem occlusions in patients who receive rtPA. <i>Journal of Thrombosis and Thrombolysis</i> , 2021, 52, 1182-1186.	1.0	3
57	Aptamers in the clinic. <i>Drugs of the Future</i> , 2009, 34, 897.	0.0	3
58	Quantification of Cerebral Perfusion using Laser Speckle Imaging and Infarct Volume using MRI in a Pre-clinical Model of Posterior Circulation Stroke. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	3
59	Correlation of von Willebrand factor and platelets with acute ischemic stroke etiology and revascularization outcome: an immunohistochemical study. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 488-494.	2.0	3
60	Central Nervous System Drug Delivery After Ischemic or Hemorrhagic Stroke. , 2019, , 473-500.		2
61	In Reply: Dismantling the Apocalypse Narrative: The Myth of the COVID-19 Stroke. <i>Neurosurgery</i> , 2021, 88, E277-E280.	0.6	2
62	Utility of the novel guide catheter in mechanical thrombectomy for emergent large vessel occlusion stroke. <i>Interventional Neuroradiology</i> , 0, , 159101992210844.	0.7	2
63	Coagulation and Hematology in Neurologic Surgery. <i>Neurosurgery Clinics of North America</i> , 2018, 29, xiii-xiv.	0.8	1
64	In Reply: May Cooler Heads Prevail During a Pandemic: Stroke in COVID-19 Patients or COVID-19 in Stroke Patients?. <i>Neurosurgery</i> , 2020, 87, E691-E693.	0.6	1
65	Abstract WP70: Aptamer Inhibition of Von Willebrand Factor Ameliorates Ischemic Stroke Burden in a Murine Model of Thromboembolic Stroke. <i>Stroke</i> , 2018, 49, .	1.0	1
66	Predictors of survival following carotid blowout syndrome. <i>Oral Oncology</i> , 2022, 125, 105723.	0.8	1
67	The Sabiston Vision of Basic Science in a Department of Surgery. <i>Annals of Surgery</i> , 2003, 238, S28-S32.	2.1	0
68	Conquering Mount Fuji: Resolution of Tension Pneumocephalus with a Foley Urinary Catheter. <i>Case Reports in Radiology</i> , 2011, 2011, 1-2.	0.5	0
69	Endovascular Intracranial Micro-Catheter Placement to Treat Cavernous Sinus Thrombosis. <i>Journal of Neurology &amp; Neurophysiology</i> , 2015, 06, .	0.1	0
70	Coagulation and Hematology in Neurological Surgery. <i>Neurosurgery Clinics of North America</i> , 2018, 29, i.	0.8	0
71	Pediatric Neurovascular Disease. , 2018, , 1321-1340.		0
72	Reply to Letter to the Editor Regarding "One and Done: Multimodal Treatment of Pediatric Arteriovenous Malformations in a Single Anesthesia Event". <i>World Neurosurgery</i> , 2020, 133, 441-442.	0.7	0

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73	Blocking Complement-Mediated Hemolysis of PNH Erythrocytes by RNA Aptamers to C8 and C9.. Blood, 2004, 104, 2824-2824.	0.6	0
74	Blocking Complement-Mediated Hemolysis Using RNA Aptamers That Bind Complement Component C8.. Blood, 2005, 106, 186-186.	0.6	0
75	Blocking Adhesion of Sickle Erythrocytes to Endothelial $\alpha_5\beta_1$ Using RNA Aptamer.. Blood, 2006, 108, 688-688.	0.6	0
76	Abstract WP69: Reversible Aptamer Inhibition of Von Willebrand Factor is a Potent Thrombolytic and Ameliorates Stroke Burden Following Vascular Injury Compared to Recombinant Tissue Plasminogen Activator. Stroke, 2017, 48, .	1.0	0
77	Abstract 187: Reversible Aptamer Inhibition of Von Willebrand Factor is a Potent Thrombolytic and Ameliorates Stroke Burden Following Vascular Injury Compared to Recombinant Tissue Plasminogen Activator. Stroke, 2017, 48, .	1.0	0
78	Abstract WP309: Utilization of a Patient Selection Protocol for Mechanical Thrombectomy in Acute Ischemic Stroke Improves Outcomes. Stroke, 2018, 49, .	1.0	0
79	Hydrocephalus Following Aneurysmal Subarachnoid Hemorrhage. , 2019, , 237-247.		0
80	Abstract 152: Thrombectomy With Conscious Sedation Increases Functional Independence Compared to General Anesthesia: A DEFUSE-3 Post-hoc Analysis. Stroke, 2019, 50, .	1.0	0
81	Coupling Hematoma Evacuation with Immune Profiling for Analysis of Neuroinflammation After Primary Intracerebral Hemorrhage: A Pilot Study. World Neurosurgery, 2022, 161, 162-168.	0.7	0