

Michael Tymianski

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146
papers

12,906
citations

55
h-index

113
g-index

152
ext. papers

14,335
ext. citations

7.7
avg, IF

6.56
L-index

#	Paper	IF	Citations
146	Treatment of ischemic brain damage by perturbing NMDA receptor- PSD-95 protein interactions. <i>Science</i> , 2002 , 298, 846-50	33.3	808
145	Glutamate receptors, neurotoxicity and neurodegeneration. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 460, 525-42	4.6	744
144	Specific coupling of NMDA receptor activation to nitric oxide neurotoxicity by PSD-95 protein. <i>Science</i> , 1999 , 284, 1845-8	33.3	687
143	A key role for TRPM7 channels in anoxic neuronal death. <i>Cell</i> , 2003 , 115, 863-77	56.2	631
142	Molecular mechanisms of calcium-dependent neurodegeneration in excitotoxicity. <i>Cell Calcium</i> , 2003 , 34, 325-37	4	621
141	NMDA receptor subunits have differential roles in mediating excitotoxic neuronal death both in vitro and in vivo. <i>Journal of Neuroscience</i> , 2007 , 27, 2846-57	6.6	603
140	Novel concepts in excitotoxic neurodegeneration after stroke. <i>Expert Reviews in Molecular Medicine</i> , 2003 , 5, 1-22	6.7	603
139	Calcium, ischemia and excitotoxicity. <i>Cell Calcium</i> , 2010 , 47, 122-9	4	493
138	Molecular mechanisms of glutamate receptor-mediated excitotoxic neuronal cell death. <i>Molecular Neurobiology</i> , 2001 , 24, 107-29	6.2	420
137	Molecular mechanisms of calcium-dependent excitotoxicity. <i>Journal of Molecular Medicine</i> , 2000 , 78, 3-13	5.5	355
136	The natural history and predictive features of hemorrhage from brain arteriovenous malformations. <i>Stroke</i> , 2009 , 40, 100-5	6.7	308
135	Treatment of stroke with a PSD-95 inhibitor in the gyrencephalic primate brain. <i>Nature</i> , 2012 , 483, 213-7	50.4	307
134	Safety and efficacy of NA-1 in patients with iatrogenic stroke after endovascular aneurysm repair (ENACT): a phase 2, randomised, double-blind, placebo-controlled trial. <i>Lancet Neurology</i> , 2012 , 11, 942-50	24.1	285
133	Suppression of hippocampal TRPM7 protein prevents delayed neuronal death in brain ischemia. <i>Nature Neuroscience</i> , 2009 , 12, 1300-7	25.5	211
132	Cell-permeant Ca ²⁺ chelators reduce early excitotoxic and ischemic neuronal injury in vitro and in vivo. <i>Neuron</i> , 1993 , 11, 221-35	13.9	208
131	Distinct influx pathways, not calcium load, determine neuronal vulnerability to calcium neurotoxicity. <i>Journal of Neurochemistry</i> , 1998 , 71, 2349-64	6	206
130	Normal and abnormal calcium homeostasis in neurons: a basis for the pathophysiology of traumatic and ischemic central nervous system injury. <i>Neurosurgery</i> , 1996 , 38, 1176-95	3.2	206

129	Distinct roles of synaptic and extrasynaptic NMDA receptors in excitotoxicity. <i>Journal of Neuroscience</i> , 2000 , 20, 22-33	6.6	199
128	Somatic Activating KRAS Mutations in Arteriovenous Malformations of the Brain. <i>New England Journal of Medicine</i> , 2018 , 378, 250-261	59.2	195
127	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	40	189
126	Beyond NMDA and AMPA glutamate receptors: emerging mechanisms for ionic imbalance and cell death in stroke. <i>Trends in Pharmacological Sciences</i> , 2008 , 29, 268-75	13.2	172
125	PDZ protein interactions underlying NMDA receptor-mediated excitotoxicity and neuroprotection by PSD-95 inhibitors. <i>Journal of Neuroscience</i> , 2007 , 27, 9901-15	6.6	160
124	Effectiveness of PSD95 inhibitors in permanent and transient focal ischemia in the rat. <i>Stroke</i> , 2008 , 39, 2544-53	6.7	145
123	Specific targeting of pro-death NMDA receptor signals with differing reliance on the NR2B PDZ ligand. <i>Journal of Neuroscience</i> , 2008 , 28, 10696-710	6.6	138
122	Normal and Abnormal Calcium Homeostasis in Neurons: A Basis for the Pathophysiology of Traumatic and Ischemic Central Nervous System Injury. <i>Neurosurgery</i> , 1996 , 38, 1176-1195	3.2	134
121	Secondary Ca ²⁺ overload indicates early neuronal injury which precedes staining with viability indicators. <i>Brain Research</i> , 1993 , 607, 319-23	3.7	129
120	Intracranial aneurysms: from vessel wall pathology to therapeutic approach. <i>Nature Reviews Neurology</i> , 2011 , 7, 547-59	15	111
119	Molecular mechanisms underlying specificity of excitotoxic signaling in neurons. <i>Current Molecular Medicine</i> , 2004 , 4, 137-47	2.5	111
118	Mechanisms and effects of intracellular calcium buffering on neuronal survival in organotypic hippocampal cultures exposed to anoxia/aglycemia or to excitotoxins. <i>Journal of Neuroscience</i> , 1997 , 17, 3538-53	6.6	110
117	Targeting NMDA receptors in stroke: new hope in neuroprotection. <i>Molecular Brain</i> , 2018 , 11, 15	4.5	105
116	Nonhuman primate models of stroke for translational neuroprotection research. <i>Neurotherapeutics</i> , 2012 , 9, 371-9	6.4	99
115	Vulnerability of central neurons to secondary insults after in vitro mechanical stretch. <i>Journal of Neuroscience</i> , 2004 , 24, 8106-23	6.6	99
114	Emerging mechanisms of disrupted cellular signaling in brain ischemia. <i>Nature Neuroscience</i> , 2011 , 14, 1369-73	25.5	98
113	TRPMs and neuronal cell death. <i>Pflugers Archiv European Journal of Physiology</i> , 2005 , 451, 243-9	4.6	98
112	Ca ²⁺ -dependent induction of TRPM2 currents in hippocampal neurons. <i>Journal of Physiology</i> , 2009 , 587, 965-79	3.9	95

111	TRPM7 channels in hippocampal neurons detect levels of extracellular divalent cations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16323-8	11.5	92
110	Preoperative and postoperative mapping of cerebrovascular reactivity in moyamoya disease by using blood oxygen level-dependent magnetic resonance imaging. <i>Journal of Neurosurgery</i> , 2005 , 103, 347-55	3.2	82
109	Steal physiology is spatially associated with cortical thinning. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, 290-3	5.5	81
108	Involvement of caspase-6 and caspase-8 in neuronal apoptosis and the regenerative failure of injured retinal ganglion cells. <i>Journal of Neuroscience</i> , 2011 , 31, 10494-505	6.6	79
107	A translational paradigm for the preclinical evaluation of the stroke neuroprotectant Tat-NR2B9c in gyrencephalic nonhuman primates. <i>Science Translational Medicine</i> , 2012 , 4, 154ra133	17.5	74
106	Impaired cerebrovascular reactivity with steal phenomenon is associated with increased diffusion in white matter of patients with Moyamoya disease. <i>Stroke</i> , 2010 , 41, 1610-6	6.7	73
105	Novel treatment of excitotoxicity: targeted disruption of intracellular signalling from glutamate receptors. <i>Biochemical Pharmacology</i> , 2003 , 66, 877-86	6	71
104	Impact of extracranial-intracranial bypass on cerebrovascular reactivity and clinical outcome in patients with symptomatic moyamoya vasculopathy. <i>Stroke</i> , 2011 , 42, 3047-54	6.7	68
103	Impaired peri-nidal cerebrovascular reserve in seizure patients with brain arteriovenous malformations. <i>Brain</i> , 2011 , 134, 100-9	11.2	65
102	Microsurgery for ARUBA Trial (A Randomized Trial of Unruptured Brain Arteriovenous Malformation)-Eligible Unruptured Brain Arteriovenous Malformations. <i>Stroke</i> , 2017 , 48, 136-144	6.7	64
101	Three-dimensional in vivo modeling of vestibular schwannomas and surrounding cranial nerves with diffusion imaging tractography. <i>Neurosurgery</i> , 2011 , 68, 1077-83	3.2	64
100	Mechanism of action and persistence of neuroprotection by cell-permeant Ca ²⁺ chelators. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994 , 14, 911-23	7.3	64
99	Novel approaches to neuroprotection trials in acute ischemic stroke. <i>Stroke</i> , 2013 , 44, 2942-50	6.7	63
98	Translational Stroke Research: Vision and Opportunities. <i>Stroke</i> , 2017 , 48, 2632-2637	6.7	62
97	Neuroprotection by freezing ischemic penumbra evolution without cerebral blood flow augmentation with a postsynaptic density-95 protein inhibitor. <i>Stroke</i> , 2011 , 42, 3265-70	6.7	60
96	A discriminative prediction model of neurological outcome for patients undergoing surgery of brain arteriovenous malformations. <i>Stroke</i> , 2006 , 37, 1457-64	6.7	60
95	Inhibition of caspase-mediated apoptosis by peroxynitrite in traumatic brain injury. <i>Journal of Neuroscience</i> , 2006 , 26, 11540-53	6.6	59
94	Impact of individual intracranial arterial aneurysm morphology on initial obliteration and recurrence rates of endovascular treatments: a multivariate analysis. <i>Journal of Neurosurgery</i> , 2011 , 114, 994-1002	3.2	58

93	Impact of cytoplasmic calcium buffering on the spatial and temporal characteristics of intercellular calcium signals in astrocytes. <i>Journal of Neuroscience</i> , 1997 , 17, 7359-71	6.6	58
92	Modulation of NMDAR subunit expression by TRPM2 channels regulates neuronal vulnerability to ischemic cell death. <i>Journal of Neuroscience</i> , 2013 , 33, 17264-77	6.6	57
91	Surgical revascularization reverses cerebral cortical thinning in patients with severe cerebrovascular steno-occlusive disease. <i>Stroke</i> , 2011 , 42, 1631-7	6.7	54
90	Stroke Treatment Academic Industry Roundtable X: Brain Cytoprotection Therapies in the Reperfusion Era. <i>Stroke</i> , 2019 , 50, 1026-1031	6.7	53
89	The influence of glutamate receptor 2 expression on excitotoxicity in Glur2 null mutant mice. <i>Journal of Neuroscience</i> , 2001 , 21, 2224-39	6.6	53
88	A simple relationship between radiological arteriovenous malformation hemodynamics and clinical presentation: a prospective, blinded analysis of 31 cases. <i>Journal of Neurosurgery</i> , 1999 , 90, 673-9	3.2	50
87	Neurotransmitters in the mediation of cerebral ischemic injury. <i>Neuropharmacology</i> , 2018 , 134, 178-188	5.5	49
86	Dependence of NMDA/GSK-3 β -mediated metaplasticity on TRPM2 channels at hippocampal CA3-CA1 synapses. <i>Molecular Brain</i> , 2011 , 4, 44	4.5	47
85	Discovery and development of NA-1 for the treatment of acute ischemic stroke. <i>Acta Pharmacologica Sinica</i> , 2018 , 39, 661-668	8	45
84	Natural history and management of basilar trunk artery aneurysms. <i>Stroke</i> , 2015 , 46, 948-53	6.7	42
83	TRPM7 and ischemic CNS injury. <i>Neuroscientist</i> , 2005 , 11, 116-23	7.6	42
82	Can molecular and cellular neuroprotection be translated into therapies for patients?: yes, but not the way we tried it before. <i>Stroke</i> , 2010 , 41, S87-90	6.7	41
81	Translating promising preclinical neuroprotective therapies to human stroke trials. <i>Expert Review of Cardiovascular Therapy</i> , 2011 , 9, 433-49	2.5	39
80	Intraoperative biplanar rotational angiography during neurovascular surgery. Technical note. <i>Journal of Neurosurgery</i> , 2009 , 111, 188-92	3.2	38
79	The contribution of imaging in diagnosis, preoperative assessment, and follow-up of moyamoya disease: a review. <i>Neurosurgical Focus</i> , 2009 , 26, E3	4.2	38
78	Management of peripheral nerve sheath tumors: 17 years of experience at Toronto Western Hospital. <i>Journal of Neurosurgery</i> , 2018 , 128, 1226-1234	3.2	37
77	Determination of the time course and extent of neurotoxicity at defined temperatures in cultured neurons using a modified multiwell plate fluorescence scanner. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997 , 17, 455-63	7.3	36
76	Enhanced vulnerability to NMDA toxicity in sublethal traumatic neuronal injury in vitro. <i>Journal of Neurotrauma</i> , 2003 , 20, 1377-95	5.4	36

75	Assessing the effect of unilateral cerebral revascularisation on the vascular reactivity of the non-intervened hemisphere: a retrospective observational study. <i>BMJ Open</i> , 2015 , 5, e006014	3	33
74	Natural history and outcome after treatment of unruptured intradural fusiform aneurysms. <i>Stroke</i> , 2014 , 45, 3251-6	6.7	33
73	Symptomatic enlargement of an occluded giant carotido-ophthalmic aneurysm after endovascular treatment: the vasa vasorum theory. <i>Acta Neurochirurgica</i> , 2009 , 151, 1153-8	3	31
72	Severely impaired cerebrovascular reserve in patients with cerebral proliferative angiopathy. <i>Journal of Neurosurgery: Pediatrics</i> , 2011 , 8, 310-5	2.1	31
71	Characterization of neuroprotection from excitotoxicity by moderate and profound hypothermia in cultured cortical neurons unmasks a temperature-insensitive component of glutamate neurotoxicity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998 , 18, 848-67	7.3	30
70	Neuroprotective Effects of a PSD-95 Inhibitor in Neonatal Hypoxic-Ischemic Brain Injury. <i>Molecular Neurobiology</i> , 2016 , 53, 5962-5970	6.2	27
69	PHASES and ELAPSS Scores Are Associated with Aneurysm Growth: A Study of 431 Unruptured Intracranial Aneurysms. <i>World Neurosurgery</i> , 2018 , 114, e425-e432	2.1	25
68	Day surgery craniotomy for unruptured cerebral aneurysms: a single center experience. <i>Journal of Neurosurgical Anesthesiology</i> , 2014 , 26, 60-4	3	25
67	Multidisciplinary care of occipital arteriovenous malformations: effect on nonhemorrhagic headache, vision, and outcome in a series of 135 patients. Clinical article. <i>Journal of Neurosurgery</i> , 2010 , 113, 742-8	3.2	24
66	Embolization with temporary balloon occlusion of the internal carotid artery and in vivo proton spectroscopy improves radical removal of petrous-tentorial meningioma. <i>Neurosurgery</i> , 1994 , 35, 974-7; discussion 977	3.2	24
65	Minimally Invasive Microsurgery for Cerebral Aneurysms. <i>Stroke</i> , 2015 , 46, 2699-706	6.7	23
64	Stroke in 2013: disappointments and advances in acute stroke intervention. <i>Nature Reviews Neurology</i> , 2014 , 10, 66-8	15	23
63	Cellular schwannoma of the abducens nerve: case report and review of the literature. <i>Clinical Neurology and Neurosurgery</i> , 2009 , 111, 467-71	2	23
62	Voltage-sensitive calcium channels mediate calcium entry into cultured mammalian sympathetic neurons following neurite transection. <i>Brain Research</i> , 1996 , 719, 239-46	3.7	23
61	Efficacy of the PSD95 inhibitor Tat-NR2B9c in mice requires dose translation between species. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 555-61	7.3	22
60	Analysis of cost related to clinical and angiographic outcomes of aneurysm patients enrolled in the international subarachnoid aneurysm trial in a North American setting. <i>Neurosurgery</i> , 2005 , 56, 886-94; discussion 886-94	3.2	22
59	Postoperative assessment of clipped aneurysms with 64-slice computerized tomography angiography. <i>Neurosurgery</i> , 2010 , 67, 844-53; discussion 853-4	3.2	21
58	Combining Neuroprotection With Endovascular Treatment of Acute Stroke: Is There Hope?. <i>Stroke</i> , 2017 , 48, 1700-1705	6.7	20

57	A safety, length of stay, and cost analysis of minimally invasive microsurgery for anterior circulation aneurysms. <i>Acta Neurochirurgica</i> , 2014 , 156, 493-503	3	20
56	Advances in Stroke 2017. <i>Stroke</i> , 2018 , 49, e174-e199	6.7	19
55	Neuroprotective therapies: Preclinical reproducibility is only part of the problem. <i>Science Translational Medicine</i> , 2015 , 7, 299fs32	17.5	18
54	Pituitary adenoma associated with intraventricular meningioma: case report. <i>Skull Base</i> , 2007 , 17, 347-51		15
53	Gamma Knife radiosurgery for the treatment of intracranial dural arteriovenous fistulas. <i>Interventional Neuroradiology</i> , 2017 , 23, 211-220	1.9	13
52	The Extended Lateral Supraorbital Approach and Extradural Anterior Clinoidectomy Through a Frontopterio-Orbital Window: Technical Note and Pilot Surgical Series. <i>World Neurosurgery</i> , 2017 , 100, 159-166	2.1	13
51	Challenges in the management of ruptured and unruptured brainstem arteriovenous malformations: outcome after conservative, single-modality, or multimodality treatments. <i>Neurosurgery</i> , 2012 , 70, 155-61; discussion 161	3.2	13
50	BOLD MRI and early impairment of cerebrovascular reserve after aneurysmal subarachnoid hemorrhage. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 972-9	5.6	12
49	Alteration of neuronal calcium homeostasis and excitotoxic vulnerability by chronic depolarization. <i>Brain Research</i> , 1994 , 648, 291-5	3.7	12
48	Deep Brain Stimulation Rescues Memory and Synaptic Activity in a Rat Model of Global Ischemia. <i>Journal of Neuroscience</i> , 2019 , 39, 2430-2440	6.6	11
47	Assessment of extracranial-intracranial bypass patency with 64-slice multidetector computerized tomography angiography. <i>Neuroradiology</i> , 2009 , 51, 505-15	3.2	11
46	The use of propidium iodide to assess excitotoxic neuronal death in primary mixed cortical cultures. <i>Methods in Molecular Biology</i> , 2007 , 399, 15-29	1.4	11
45	Endovascular treatment of intracranial vertebrobasilar artery dissecting aneurysms: Parent artery occlusion versus flow diverter. <i>European Journal of Radiology</i> , 2018 , 99, 68-75	4.7	10
44	Safety, efficacy, and cost of surgery for patients with unruptured aneurysms deemed unsuitable for endovascular therapy. <i>Acta Neurochirurgica</i> , 2015 , 157, 2061-70; discussion 2070	3	8
43	Endovascular occlusion of basilar bifurcation aneurysms with electrolytically detachable coils. <i>Canadian Journal of Neurological Sciences</i> , 1999 , 26, 172-81	1	8
42	Long-term changes in cerebrovascular reactivity following EC-IC bypass for intracranial steno-occlusive disease. <i>Journal of Clinical Neuroscience</i> , 2018 , 54, 77-82	2.2	8
41	The impact of postsynaptic density 95 blocking peptide (Tat-NR2B9c) and an iNOS inhibitor (1400W) on proteomic profile of the hippocampus in C57BL/6J mouse model of kainate-induced epileptogenesis. <i>Journal of Neuroscience Research</i> , 2019 , 97, 1378-1392	4.4	7
40	Neuroprotection in vitro and in vivo by cell membrane-permeant Ca ²⁺ chelators. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1995 , 22, 299-300	3	7

39	Imaging criteria across pivotal randomized controlled trials for late window thrombectomy patient selection. <i>Journal of NeuroInterventional Surgery</i> , 2020 ,	7.8	7
38	Priority setting in neurosurgery as exemplified by an everyday challenge. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 378-83	1	6
37	Transmastoid partial labyrinthectomy for brainstem vascular lesions: clinical outcomes and assessment of postoperative cochleovestibular function. <i>Skull Base</i> , 2006 , 16, 133-43		6
36	Partial labyrinthectomy approach for brainstem vascular lesions. <i>The Journal of Otolaryngology</i> , 2001 , 30, 224-30		6
35	Plasmin-resistant PSD-95 inhibitors resolve effect-modifying drug-drug interactions between alteplase and nerinetide in acute stroke. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	6
34	Novel EEG pattern associated with impaired cerebrovascular reserve in Moyamoya disease. <i>Clinical Neurophysiology</i> , 2014 , 125, 422-5	4.3	5
33	Management of Residual Brain Arteriovenous Malformations After Stereotactic Radiosurgery. <i>World Neurosurgery</i> , 2018 , 116, e1105-e1113	2.1	4
32	Interval angioarchitectural evolution of brain arteriovenous malformations following rupture. <i>Journal of Neurosurgery</i> , 2018 , 131, 96-103	3.2	4
31	Symptomatic non-atherosclerotic bilateral extracranial vertebral artery occlusion treated with extracranial to intracranial bypass: case report. <i>Arquivos De Neuro-Psiquiatria</i> , 2006 , 64, 664-7	1.6	4
30	Advances in stroke: vascular neurosurgery. <i>Stroke</i> , 2013 , 44, 316-7	6.7	3
29	A Single-Center, Prospective Analysis of the Natural History of Hemorrhage from Brain Arteriovenous Malformations with or without Associated Aneurysms. <i>Neurosurgery</i> , 2005 , 57, 396-397	3.2	3
28	A Detailed Analysis of Infarct Patterns and Volumes at 24-hour Noncontrast CT and Diffusion-weighted MRI in Acute Ischemic Stroke Due to Large Vessel Occlusion: Results from the ESCAPE-NA1 Trial. <i>Radiology</i> , 2021 , 300, 152-159	20.5	3
27	Radiologic Patterns of Intracranial Hemorrhage and Clinical Outcome after Endovascular Treatment in Acute Ischemic Stroke: Results from the ESCAPE-NA1 Trial. <i>Radiology</i> , 2021 , 300, 402-409	20.5	3
26	Advances in vascular neurosurgery 2010. <i>Stroke</i> , 2011 , 42, 288-90	6.7	2
25	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	10.4	2
24	Calcium and Neuronal Death in Spinal Neurons 2000 , 23-55		2
23	Is Calcium Involved in Excitotoxic or Ischemic Neuronal Damage? 1997 , 190-192		2
22	Strength of Association between Infarct Volume and Clinical Outcome Depends on the Magnitude of Infarct Size: Results from the ESCAPE-NA1 Trial. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1375-1379	4.4	2

21	The Impact of ARUBA on the Management of Unruptured Brain Arteriovenous Malformations : Review of Literature. <i>Japanese Journal of Neurosurgery</i> , 2015 , 24, 605-613	0	1
20	Microsurgical glue embolectomy of the middle cerebral artery following embolization of a maxillofacial arteriovenous malformation. <i>Journal of Clinical Neuroscience</i> , 2011 , 18, 1733-6	2.2	1
19	Peptide action in stroke therapy. <i>Expert Opinion on Biological Therapy</i> , 2003 , 3, 1093-104	5.4	1
18	Final Results of the Prospective Multicenter Excimer Laser-Assisted High-Flow Bypass Study on the Treatment of Giant Anterior Circulation Aneurysms. <i>Neurosurgery</i> , 2020 , 87, 697-703	3.2	1
17	Clinical impact of EVT with failed reperfusion in patients with acute ischemic stroke: results from the ESCAPE and ESCAPE-NA1 trials. <i>Neuroradiology</i> , 2021 , 63, 1883-1889	3.2	1
16	Iatrogenic Diffusion-Weighted Imaging Lesions: What Is Their Impact and How Can It Be Measured?. <i>Stroke</i> , 2021 , 52, 1929-1936	6.7	1
15	The endoscopic transpterional port approach: anatomy, technique, and initial clinical experience. <i>Journal of Neurosurgery</i> , 2019 , 132, 884-894	3.2	1
14	Mice and Rats Exhibit Striking Inter-species Differences in Gene Response to Acute Stroke. <i>Cellular and Molecular Neurobiology</i> , 2021 , 1	4.6	1
13	Neuroprotectants Targeting NMDA Receptor Signaling 2014 , 1381-1402		1
12	Neuroprotective strategies in epilepsy. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 497, 209-243	5.6	1
11	Association of Stent-Retriever Characteristics in Establishing Successful Reperfusion During Mechanical Thrombectomy : Results from the ESCAPE-NA1 Trial.. <i>Clinical Neuroradiology</i> , 2022 , 1	2.7	0
10	Calcium and Cellular Death 1998 , 267-290		0
9	Clinical outcomes of isolated deep grey matter infarcts after endovascular treatment of large vessel occlusion stroke. <i>Neuroradiology</i> , 2021 , 63, 1463-1469	3.2	0
8	Prophylactic antiemetics and incidence of ponv in microvascular decompressive surgery. <i>Canadian Journal of Anaesthesia</i> , 2006 , 53, 26388-26388	3	
7	Disrupting Protein-Protein Interaction: Therapeutic Tools Against Brain Damage 2005 , 255-289		
6	Subunit-specific effects of NMDA receptor signaling: Implications for stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S431-S431	7.3	
5	Approaches in Treating Nerve Cell Death with Calcium Chelators 1999 , 609-631		
4	Neurosurgery for Cerebral Arteriovenous Malformations (AVMs) 2015 , 2877-2901		

3 Role of TRPM7 in Ischemic CNS Injury **2009**, 175-188

2 Neurosurgery for Cerebral Arteriovenous Malformations (AVMs) **2014**, 1-29

1 Reassessing Alberta Stroke Program Early CT Score on Non-Contrast CT Based on Degree and Extent of Ischemia. *Journal of Stroke*, **2021**, 23, 440-442

5.6