

Michael Tymianski

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5416485/michael-tymianski-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Association of Stent-Retriever Characteristics in Establishing Successful Reperfusion During Mechanical Thrombectomy : Results from the ESCAPE-NA1 Trial.. <i>Clinical Neurology</i> , 2022 , 1	2.7	0
145	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
144	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
143	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
142	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
141	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	11.9	2
140	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
139	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
138	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
137	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
136	Reassessing Alberta Stroke Program Early CT Score on Non-Contrast CT Based on Degree and Extent of Ischemia. <i>Journal of Stroke</i> , 2021 , 23, 440-442	5.6	
135	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
134	Imaging criteria across pivotal randomized controlled trials for late window thrombectomy patient selection. <i>Journal of NeuroInterventional Surgery</i> , 2020 ,	7.8	7
133	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
132	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
131	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
130	Stroke Treatment Academic Industry Roundtable X: Brain Cytoprotection Therapies in the Reperfusion Era. <i>Stroke</i> , 2019 , 50, 1026-1031	6.7	53

129	The endoscopic transpterional port approach: anatomy, technique, and initial clinical experience. <i>Journal of Neurosurgery</i> , 2019 , 132, 884-894	3.2	1
128	Advances in Stroke 2017. <i>Stroke</i> , 2018 , 49, e174-e199	6.7	19
127	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
126	Somatic Activating KRAS Mutations in Arteriovenous Malformations of the Brain. <i>New England Journal of Medicine</i> , 2018 , 378, 250-261	59.2	195
125	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
124	Discovery and development of NA-1 for the treatment of acute ischemic stroke. <i>Acta Pharmacologica Sinica</i> , 2018 , 39, 661-668	8	45
123	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
122	Management of Residual Brain Arteriovenous Malformations After Stereotactic Radiosurgery. <i>World Neurosurgery</i> , 2018 , 116, e1105-e1113	2.1	4
121	Targeting NMDA receptors in stroke: new hope in neuroprotection. <i>Molecular Brain</i> , 2018 , 11, 15	4.5	105
120	Interval angioarchitectural evolution of brain arteriovenous malformations following rupture. <i>Journal of Neurosurgery</i> , 2018 , 131, 96-103	3.2	4
119	Neurotransmitters in the mediation of cerebral ischemic injury. <i>Neuropharmacology</i> , 2018 , 134, 178-188	5.5	49
118	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
117	Gamma Knife radiosurgery for the treatment of intracranial dural arteriovenous fistulas. <i>Interventional Neuroradiology</i> , 2017 , 23, 211-220	1.9	13
116	Combining Neuroprotection With Endovascular Treatment of Acute Stroke: Is There Hope?. <i>Stroke</i> , 2017 , 48, 1700-1705	6.7	20
115	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
114	Translational Stroke Research: Vision and Opportunities. <i>Stroke</i> , 2017 , 48, 2632-2637	6.7	62
113	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
112	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

111	Neuroprotective Effects of a PSD-95 Inhibitor in Neonatal Hypoxic-Ischemic Brain Injury. <i>Molecular Neurobiology</i> , 2016 , 53, 5962-5970	6.2	27
110	Natural history and management of basilar trunk artery aneurysms. <i>Stroke</i> , 2015 , 46, 948-53	6.7	42
109	Minimally Invasive Microsurgery for Cerebral Aneurysms. <i>Stroke</i> , 2015 , 46, 2699-706	6.7	23
108	Neuroprotective therapies: Preclinical reproducibility is only part of the problem. <i>Science Translational Medicine</i> , 2015 , 7, 299fs32	17.5	18
107	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
106	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
105	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
104	Neurosurgery for Cerebral Arteriovenous Malformations (AVMs) 2015 , 2877-2901		
103	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
102	Stroke in 2013: disappointments and advances in acute stroke intervention. <i>Nature Reviews Neurology</i> , 2014 , 10, 66-8	15	23
101	Natural history and outcome after treatment of unruptured intradural fusiform aneurysms. <i>Stroke</i> , 2014 , 45, 3251-6	6.7	33
100	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
99	Day surgery craniotomy for unruptured cerebral aneurysms: a single center experience. <i>Journal of Neurosurgical Anesthesiology</i> , 2014 , 26, 60-4	3	25
98	Novel EEG pattern associated with impaired cerebrovascular reserve in Moyamoya disease. <i>Clinical Neurophysiology</i> , 2014 , 125, 422-5	4.3	5
97	Neurosurgery for Cerebral Arteriovenous Malformations (AVMs) 2014 , 1-29		
96	Neuroprotectants Targeting NMDA Receptor Signaling 2014 , 1381-1402		1
95	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
94	Novel approaches to neuroprotection trials in acute ischemic stroke. <i>Stroke</i> , 2013 , 44, 2942-50	6.7	63

93	Advances in stroke: vascular neurosurgery. <i>Stroke</i> , 2013 , 44, 316-7	6.7	3
92	Priority setting in neurosurgery as exemplified by an everyday challenge. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 378-83	1	6
91	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
90	Treatment of stroke with a PSD-95 inhibitor in the gyrencephalic primate brain. <i>Nature</i> , 2012 , 483, 213-7	50.4	307
89	Nonhuman primate models of stroke for translational neuroprotection research. <i>Neurotherapeutics</i> , 2012 , 9, 371-9	6.4	99
88	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
87	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
86	Intracranial aneurysms: from vessel wall pathology to therapeutic approach. <i>Nature Reviews Neurology</i> , 2011 , 7, 547-59	15	111
85	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
84	Translating promising preclinical neuroprotective therapies to human stroke trials. <i>Expert Review of Cardiovascular Therapy</i> , 2011 , 9, 433-49	2.5	39
83	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
82	Emerging mechanisms of disrupted cellular signaling in brain ischemia. <i>Nature Neuroscience</i> , 2011 , 14, 1369-73	25.5	98
81	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
80	Severely impaired cerebrovascular reserve in patients with cerebral proliferative angiopathy. <i>Journal of Neurosurgery: Pediatrics</i> , 2011 , 8, 310-5	2.1	31
79	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
78	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
77	Advances in vascular neurosurgery 2010. <i>Stroke</i> , 2011 , 42, 288-90	6.7	2
76	Surgical revascularization reverses cerebral cortical thinning in patients with severe cerebrovascular steno-occlusive disease. <i>Stroke</i> , 2011 , 42, 1631-7	6.7	54

75	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
74	Impaired peri-nidal cerebrovascular reserve in seizure patients with brain arteriovenous malformations. <i>Brain</i> , 2011 , 134, 100-9	11.2	65
73	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
72	Steal physiology is spatially associated with cortical thinning. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, 290-3	5.5	81
71	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
70	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
69	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
68	Postoperative assessment of clipped aneurysms with 64-slice computerized tomography angiography. <i>Neurosurgery</i> , 2010 , 67, 844-53; discussion 853-4	3.2	21
67	Glutamate receptors, neurotoxicity and neurodegeneration. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 460, 525-42	4.6	744
66	Calcium, ischemia and excitotoxicity. <i>Cell Calcium</i> , 2010 , 47, 122-9	4	493
65	Intraoperative biplanar rotational angiography during neurovascular surgery. Technical note. <i>Journal of Neurosurgery</i> , 2009 , 111, 188-92	3.2	38
64	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
63	The natural history and predictive features of hemorrhage from brain arteriovenous malformations. <i>Stroke</i> , 2009 , 40, 100-5	6.7	308
62	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
61	Assessment of extracranial-intracranial bypass patency with 64-slice multidetector computerized tomography angiography. <i>Neuroradiology</i> , 2009 , 51, 505-15	3.2	11
60	Ca ²⁺ -dependent induction of TRPM2 currents in hippocampal neurons. <i>Journal of Physiology</i> , 2009 , 587, 965-79	3.9	95
59	Suppression of hippocampal TRPM7 protein prevents delayed neuronal death in brain ischemia. <i>Nature Neuroscience</i> , 2009 , 12, 1300-7	25.5	211
58	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

57	Role of TRPM7 in Ischemic CNS Injury 2009 , 175-188		
56	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
55	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
54	Effectiveness of PSD95 inhibitors in permanent and transient focal ischemia in the rat. <i>Stroke</i> , 2008 , 39, 2544-53	6.7	145
53	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
52	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
51	Pituitary adenoma associated with intraventricular meningioma: case report. <i>Skull Base</i> , 2007 , 17, 347-51		15
50	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
49	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
48	Prophylactic antiemetics and incidence of ponv in microvascular decompressive surgery. <i>Canadian Journal of Anaesthesia</i> , 2006 , 53, 26388-26388	3	
47	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
46	Transmastoid partial labyrinthectomy for brainstem vascular lesions: clinical outcomes and assessment of postoperative cochleovestibular function. <i>Skull Base</i> , 2006 , 16, 133-43		6
45	Inhibition of caspase-mediated apoptosis by peroxynitrite in traumatic brain injury. <i>Journal of Neuroscience</i> , 2006 , 26, 11540-53	6.6	59
44	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
43	Disrupting Protein-Protein Interaction: Therapeutic Tools Against Brain Damage 2005 , 255-289		
42	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
41	TRPMs and neuronal cell death. <i>Pflugers Archiv European Journal of Physiology</i> , 2005 , 451, 243-9	4.6	98
40	TRPM7 and ischemic CNS injury. <i>Neuroscientist</i> , 2005 , 11, 116-23	7.6	42

39	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
38	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	
37	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
36	Molecular mechanisms underlying specificity of excitotoxic signaling in neurons. <i>Current Molecular Medicine</i> , 2004 , 4, 137-47	2.5	111
35	Vulnerability of central neurons to secondary insults after in vitro mechanical stretch. <i>Journal of Neuroscience</i> , 2004 , 24, 8106-23	6.6	99
34	Novel concepts in excitotoxic neurodegeneration after stroke. <i>Expert Reviews in Molecular Medicine</i> , 2003 , 5, 1-22	6.7	603
33	Novel treatment of excitotoxicity: targeted disruption of intracellular signalling from glutamate receptors. <i>Biochemical Pharmacology</i> , 2003 , 66, 877-86	6	71
32	Molecular mechanisms of calcium-dependent neurodegeneration in excitotoxicity. <i>Cell Calcium</i> , 2003 , 34, 325-37	4	621
31	A key role for TRPM7 channels in anoxic neuronal death. <i>Cell</i> , 2003 , 115, 863-77	56.2	631
30	Peptide action in stroke therapy. <i>Expert Opinion on Biological Therapy</i> , 2003 , 3, 1093-104	5.4	1
29	Enhanced vulnerability to NMDA toxicity in sublethal traumatic neuronal injury in vitro. <i>Journal of Neurotrauma</i> , 2003 , 20, 1377-95	5.4	36
28	Treatment of ischemic brain damage by perturbing NMDA receptor- PSD-95 protein interactions. <i>Science</i> , 2002 , 298, 846-50	33.3	808
27	Neuroprotective strategies in epilepsy. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 497, 209-243, 6	3.6	1
26	Molecular mechanisms of glutamate receptor-mediated excitotoxic neuronal cell death. <i>Molecular Neurobiology</i> , 2001 , 24, 107-29	6.2	420
25	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
24	Partial labyrinthectomy approach for brainstem vascular lesions. <i>The Journal of Otolaryngology</i> , 2001 , 30, 224-30		6
23	Distinct roles of synaptic and extrasynaptic NMDA receptors in excitotoxicity. <i>Journal of Neuroscience</i> , 2000 , 20, 22-33	6.6	199
22	Molecular mechanisms of calcium-dependent excitotoxicity. <i>Journal of Molecular Medicine</i> , 2000 , 78, 3-13	5.5	355

21	Calcium and Neuronal Death in Spinal Neurons 2000 , 23-55		2
20	Specific coupling of NMDA receptor activation to nitric oxide neurotoxicity by PSD-95 protein. <i>Science</i> , 1999 , 284, 1845-8	33.3	687
19	Endovascular occlusion of basilar bifurcation aneurysms with electrolytically detachable coils. <i>Canadian Journal of Neurological Sciences</i> , 1999 , 26, 172-81	1	8
18	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
17	Approaches in Treating Nerve Cell Death with Calcium Chelators 1999 , 609-631		
16	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
15	Distinct influx pathways, not calcium load, determine neuronal vulnerability to calcium neurotoxicity. <i>Journal of Neurochemistry</i> , 1998 , 71, 2349-64	6	206
14	Calcium and Cellular Death 1998 , 267-290		0
13	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
12	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
11	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
10	Is Calcium Involved in Excitotoxic or Ischemic Neuronal Damage? 1997 , 190-192		2
9	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
8	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
7	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
6	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
5	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
4	Alteration of neuronal calcium homeostasis and excitotoxic vulnerability by chronic depolarization. <i>Brain Research</i> , 1994 , 648, 291-5	3.7	12

3	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
2	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
1	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