

Neil A Martin

List of Publications by Year in Descending Order

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

166
papers

13,366
citations

56
h-index

114
g-index

171
ext. papers

14,687
ext. citations

4
avg, IF

5.84
L-index

#	Paper	IF	Citations
166	Encephaloduroarteriosynangiosis Operative Technique and Intraoperative Anesthesia Management: Treatment From Both Sides of the Curtain.. <i>Operative Neurosurgery</i> , 2022 , 22, 20-27	1.6	
165	Streamlining brain tumor surgery care during the COVID-19 pandemic: A case-control study. <i>PLoS ONE</i> , 2021 , 16, e0254958	3.7	1
164	Artificial Intelligence for Rapid Meta-Analysis: Case Study on Ocular Toxicity of Hydroxychloroquine. <i>Journal of Medical Internet Research</i> , 2020 , 22, e20007	7.6	3
163	Advanced Practice Providers in Radiation Oncology. <i>Practical Radiation Oncology</i> , 2020 , 10, e192-e198	2.8	2
162	A review of the diagnosis and management of vertebral basilar (posterior) circulation disease. <i>Surgical Neurology International</i> , 2018 , 9, 106	1	10
161	Influence of Glycemic Control on Endogenous Circulating Ketone Concentrations in Adults Following Traumatic Brain Injury. <i>Neurocritical Care</i> , 2017 , 26, 239-246	3.3	8
160	Implementing High-Performance Teams: Strengths of a Standard Communication Tool in Neurosurgery. <i>American Journal of Medical Quality</i> , 2016 , 31, 95	1.1	
159	Integrating risk management data in quality improvement initiatives within an academic neurosurgery department. <i>Journal of Neurosurgery</i> , 2016 , 124, 199-206	3.2	8
158	Safety and efficacy of minimally invasive surgery plus alteplase in intracerebral haemorrhage evacuation (MISTIE): a randomised, controlled, open-label, phase 2 trial. <i>Lancet Neurology</i> , 2016 , 15, 1228-1237	24.1	218
157	ICES (Intraoperative Stereotactic Computed Tomography-Guided Endoscopic Surgery) for Brain Hemorrhage: A Multicenter Randomized Controlled Trial. <i>Stroke</i> , 2016 , 47, 2749-2755	6.7	105
156	Longitudinal quantification and visualization of intracerebral haemorrhage using multimodal magnetic resonance and diffusion tensor imaging. <i>Brain Injury</i> , 2015 , 29, 438-45	2.1	11
155	Recent advances in the patient safety and quality initiatives movement: implications for neurosurgery. <i>Neurosurgery Clinics of North America</i> , 2015 , 26, 301-15, xi	4	9
154	Quantitative Intracerebral Hemorrhage Localization. <i>Stroke</i> , 2015 , 46, 3270-3	6.7	5
153	Encephaloduroarteriosynangiosis for adult intracranial arterial steno-occlusive disease: long-term single-center experience with 107 operations. <i>Journal of Neurosurgery</i> , 2015 , 123, 654-61	3.2	32
152	Assessing early unplanned reoperations in neurosurgery: opportunities for quality improvement. <i>Journal of Neurosurgery</i> , 2015 , 123, 198-205	3.2	24
151	Predictors of recurrence following resection of intracranial chordomas. <i>Journal of Clinical Neuroscience</i> , 2015 , 22, 1792-6	2.2	24
150	Endogenous Nutritive Support after Traumatic Brain Injury: Peripheral Lactate Production for Glucose Supply via Gluconeogenesis. <i>Journal of Neurotrauma</i> , 2015 , 32, 811-9	5.4	30

149	Lactate: brain fuel in human traumatic brain injury: a comparison with normal healthy control subjects. <i>Journal of Neurotrauma</i> , 2015 , 32, 820-32	5.4	91
148	The occipital interhemispheric transtentorial approach for superior vermian, superomedian cerebellar, and tectal arteriovenous malformations: advantages, limitations, and alternatives. <i>World Neurosurgery</i> , 2014 , 82, 409-16	2.1	14
147	Value-based neurosurgery: measuring and reducing the cost of microvascular decompression surgery. <i>Journal of Neurosurgery</i> , 2014 , 121, 700-8	3.2	23
146	Value-based neurosurgery: the example of microvascular decompression surgery. <i>Journal of Neurosurgery</i> , 2014 , 120, 462-72	3.2	26
145	Impact of the time-out process on safety attitude in a tertiary neurosurgical department. <i>World Neurosurgery</i> , 2014 , 82, 567-74	2.1	17
144	Neuropathologic analysis of hematomas evacuated from patients with spontaneous intracerebral hemorrhage. <i>Neuropathology</i> , 2014 , 34, 253-60	2	9
143	Tracking and sustaining improvement initiatives: leveraging quality dashboards to lead change in a neurosurgical department. <i>Neurosurgery</i> , 2014 , 74, 235-43; discussion 243-4	3.2	20
142	Cerebral metabolism following traumatic brain injury: new discoveries with implications for treatment. <i>Frontiers in Neuroscience</i> , 2014 , 8, 408	5.1	53
141	Contemporary health care economics: an overview. <i>Neurosurgical Focus</i> , 2014 , 37, E2	4.2	8
140	Assessing the cost of contemporary pituitary care. <i>Neurosurgical Focus</i> , 2014 , 37, E7	4.2	14
139	Analysis of 30-day readmissions among neurosurgical patients: surgical complication avoidance as key to quality improvement. <i>Journal of Neurosurgery</i> , 2014 , 121, 170-5	3.2	47
138	Introduction: Health economics and the neurosurgeon. <i>Neurosurgical Focus</i> , 2014 , 37, Introduction	4.2	1
137	A 26-year-old female with a millimetric prepontine lesion. <i>Brain Pathology</i> , 2014 , 24, 421-2	6	
136	Rotational vertebral artery occlusion secondary to adjacent-level degeneration following anterior cervical discectomy and fusion. <i>Journal of Neurosurgery: Spine</i> , 2014 , 20, 714-21	2.8	16
135	Time-driven activity-based costing: a driver for provider engagement in costing activities and redesign initiatives. <i>Neurosurgical Focus</i> , 2014 , 37, E3	4.2	55
134	Extended subtemporal transtentorial approach to the anterior incisural space and upper clival region: experience with posterior circulation aneurysms. <i>Operative Neurosurgery</i> , 2014 , 10 Suppl 1, 15-23; discussion 23-4	1.6	3
133	Demystifying process mapping: a key step in neurosurgical quality improvement initiatives. <i>Neurosurgery</i> , 2014 , 75, 99-109; discussion 109	3.2	20
132	Effectiveness of burr holes for indirect revascularization in patients with moyamoya disease—a review of the literature. <i>World Neurosurgery</i> , 2014 , 81, 91-8	2.1	30

131	Pure arterial malformation of the posterior cerebral artery: importance of its recognition. <i>Journal of Neurosurgery</i> , 2013 , 119, 655-60	3.2	26
130	Hemorrhagic stroke: introduction. <i>Stroke</i> , 2013 , 44, S65-6	6.7	15
129	The extended subtemporal transtentorial approach: the impact of trochlear nerve dissection and tentorial incision. <i>Journal of Clinical Neuroscience</i> , 2013 , 20, 1139-43	2.2	8
128	Technical nuances of temporal muscle dissection and reconstruction for the pterional keyhole craniotomy. <i>Journal of Neurosurgery</i> , 2013 , 118, 309-14	3.2	14
127	Surgical trials in intracerebral hemorrhage. <i>Stroke</i> , 2013 , 44, S79-82	6.7	32
126	Meningeal management for optimal revascularization from middle meningeal artery. <i>Journal of Neurosurgery</i> , 2013 , 118, 104-8	3.2	8
125	Middle cranial fossa sphenoidal region dural arteriovenous fistulas: anatomic and treatment considerations. <i>American Journal of Neuroradiology</i> , 2013 , 34, 373-80	4.4	25
124	Natural history of asymptomatic unruptured cerebral aneurysms evaluated at CT angiography: growth and rupture incidence and correlation with epidemiologic risk factors. <i>Radiology</i> , 2013 , 269, 258-65	20.5	147
123	Minimally invasive surgery plus recombinant tissue-type plasminogen activator for intracerebral hemorrhage evacuation decreases perihematomal edema. <i>Stroke</i> , 2013 , 44, 627-34	6.7	244
122	Philanthropy funding for neurosurgery research and program development. <i>Neurosurgery</i> , 2013 , 73, 177-83	3.2	3
121	Metabolomic analysis of cerebral spinal fluid from patients with severe brain injury. <i>Acta Neurochirurgica Supplementum</i> , 2013 , 118, 115-9	1.7	15
120	Intracranial pressure signal morphology: real-time tracking. <i>IEEE Pulse</i> , 2012 , 3, 49-52	0.7	4
119	Noninvasive intracranial pressure assessment based on a data-mining approach using a nonlinear mapping function. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 619-26	5	20
118	Predictive combinations of monitor alarms preceding in-hospital code blue events. <i>Journal of Biomedical Informatics</i> , 2012 , 45, 913-21	10.2	31
117	Surgical strategies for aneurysms deemed unclippable and uncoilable. <i>Neurochirurgie</i> , 2012 , 58, 199-205	1.4	6
116	Chromosomal anomalies and prognostic markers for intracranial and spinal ependymomas. <i>Journal of Clinical Neuroscience</i> , 2012 , 19, 779-85	2.2	17
115	Changes in stroke research productivity: A global perspective 2012 , 3, 27		14
114	Healthcare reform from the inside: A neurosurgical clinical quality program 2012 , 3, 128		15

113	University of California, Los Angeles, surgical time-out process: evolution, challenges, and future perspective. <i>Neurosurgical Focus</i> , 2012 , 33, E5	4.2	11
112	Indirect revascularization for nonmoyamoya intracranial arterial stenoses: clinical and angiographic outcomes. <i>Journal of Neurosurgery</i> , 2012 , 117, 94-102	3.2	30
111	Frontal bur hole through an eyebrow incision for image-guided endoscopic evacuation of spontaneous intracerebral hemorrhage. <i>Journal of Neurosurgery</i> , 2012 , 117, 767-73	3.2	34
110	Effects of mobile and digital support for a structured, competency-based curriculum in neurosurgery residency education. <i>Neurosurgery</i> , 2012 , 71, 164-72	3.2	25
109	The linear relationship between transcranial Doppler pulsatility indices and intracranial pressure is influenced by traumatic brain injury and vasospasm. <i>Acta Neurochirurgica Supplementum</i> , 2012 , 114, 11-5 ¹⁻⁷		7
108	Principles of Endovascular Therapy 2012 , 828-851		
107	Transnasal Endoscopic Resection of Clival Chordoma. <i>Laryngoscope</i> , 2011 , 121, S236-S236	3.6	1
106	Clinical and angiographic outcomes from indirect revascularization surgery for Moyamoya disease in adults and children: a review of 63 procedures. <i>Neurosurgery</i> , 2011 , 68, 34-43; discussion 43	3.2	75
105	Research productivity in neurosurgery: trends in globalization, scientific focus, and funding. <i>Journal of Neurosurgery</i> , 2011 , 115, 1262-72	3.2	47
104	Inter-subject correlation exists between morphological metrics of cerebral blood flow velocity and intracranial pressure pulses. <i>Neurocritical Care</i> , 2011 , 14, 229-37	3.3	8
103	Revascularization Techniques for Complex Aneurysms and Skull Base Tumors 2011 , 3978-3990		1
102	Intracranial pressure pulse morphological features improved detection of decreased cerebral blood flow. <i>Physiological Measurement</i> , 2010 , 31, 679-95	2.9	46
101	Evolution of sinonasal symptoms following endoscopic anterior skull base surgery. <i>Skull Base</i> , 2010 , 20, 245-51		47
100	Factors predicting language lateralization in patients with perisylvian vascular malformations. Clinical article. <i>Journal of Neurosurgery</i> , 2010 , 113, 723-30	3.2	16
99	Endovascular coiling of intracranial aneurysms in elderly patients: report of 205 treated aneurysms. <i>Neurosurgery</i> , 2010 , 66, 714-20; discussion 720-1	3.2	44
98	Curriculum-based neurosurgery digital library. <i>Neurosurgery</i> , 2010 , 67, 1426-30; discussion 1430	3.2	1
97	Advances in the biology of cerebral cavernous malformations 2010 , 1, 63		6
96	Cerebral arteriovenous malformations. Part 1: cellular and molecular biology. <i>Neurosurgical Focus</i> , 2009 , 26, E10	4.2	62

95	Cerebral arteriovenous malformations. Part 2: physiology. <i>Neurosurgical Focus</i> , 2009 , 26, E11	4.2	70
94	A comparison of vital signs charted by nurses with automated acquired values using waveform quality indices. <i>Journal of Clinical Monitoring and Computing</i> , 2009 , 23, 263-71	2	12
93	Current trends in intraoperative optical imaging for functional brain mapping and delineation of lesions of language cortex. <i>NeuroImage</i> , 2009 , 47 Suppl 2, T116-26	7.9	31
92	Management of giant middle cerebral artery aneurysms with incorporated branches: partial endovascular coiling or combined extracranial-intracranial bypass--a team approach. <i>Operative Neurosurgery</i> , 2009 , 65, 121-9; discussion 129-31	1.6	16
91	Genomic profiles of damage and protection in human intracerebral hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 1860-75	7.3	54
90	Image-guided endoscopic evacuation of spontaneous intracerebral hemorrhage. <i>World Neurosurgery</i> , 2008 , 69, 441-6; discussion 446		81
89	Intra-aneurysmal hemodynamics in a large middle cerebral artery aneurysm with wall atherosclerosis. <i>World Neurosurgery</i> , 2008 , 70, 454-62; discussion 462		16
88	Impact of anatomic features in the endovascular embolization of 181 anterior communicating artery aneurysms. <i>Stroke</i> , 2008 , 39, 2776-82	6.7	72
87	Development and validation of a simple conversion model for comparison of intracerebral hemorrhage volumes measured on CT and gradient recalled echo MRI. <i>Stroke</i> , 2008 , 39, 2017-20	6.7	32
86	A proposed grading system for arteriovenous malformations. 1986. <i>Journal of Neurosurgery</i> , 2008 , 108, 186-93	3.2	45
85	Persistent metabolic crisis as measured by elevated cerebral microdialysis lactate-pyruvate ratio predicts chronic frontal lobe brain atrophy after traumatic brain injury. <i>Critical Care Medicine</i> , 2008 , 36, 2871-7	1.4	144
84	Intra-arterial calcium channel blocker infusion for treatment of severe vasospasm in traumatic brain injury: case report. <i>Neurosurgery</i> , 2008 , 63, E1004-6; discussion E1006	3.2	7
83	Antitumor activity of rapamycin in a Phase I trial for patients with recurrent PTEN-deficient glioblastoma. <i>PLoS Medicine</i> , 2008 , 5, e8	11.6	449
82	Nonconvulsive electrographic seizures after traumatic brain injury result in a delayed, prolonged increase in intracranial pressure and metabolic crisis. <i>Critical Care Medicine</i> , 2007 , 35, 2830-2836	1.4	266
81	Increased pentose phosphate pathway flux after clinical traumatic brain injury: a [1,2- ¹³ C ₂]glucose labeling study in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1593-602	7.3	113
80	Estimation of Hidden State Variables of the Intracranial System Using Constrained Nonlinear Kalman Filters. <i>IEEE Transactions on Biomedical Engineering</i> , 2007 , 54, 597-610	5	33
79	Impaired percent alpha variability on continuous electroencephalography is associated with thalamic injury and predicts poor long-term outcome after human traumatic brain injury. <i>Journal of Neurotrauma</i> , 2007 , 24, 579-90	5.4	51
78	Vasospasm probability index: a combination of transcranial doppler velocities, cerebral blood flow, and clinical risk factors to predict cerebral vasospasm after aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2007 , 107, 1101-12	3.2	88

77	Nonconvulsive electrographic seizures after traumatic brain injury result in a delayed, prolonged increase in intracranial pressure and metabolic crisis. <i>Critical Care Medicine</i> , 2007 , 35, 2830-2836	1.4	232
76	Intensive care unit robotic telepresence facilitates rapid physician response to unstable patients and decreased cost in neurointensive care. <i>World Neurosurgery</i> , 2007 , 67, 331-7		109
75	Nonconvulsive electrographic seizures after traumatic brain injury result in a delayed, prolonged increase in intracranial pressure and metabolic crisis. <i>Critical Care Medicine</i> , 2007 , 35, 2830-6	1.4	142
74	Nonlinear analysis of cerebral hemodynamic and intracranial pressure signals for characterization of autoregulation. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 195-209	5	16
73	Contribution of endovascular therapy to the management of poor-grade aneurysmal subarachnoid hemorrhage: Clinical and angiographic outcomes. <i>Journal of Neurosurgery</i> , 2006 , 105, 664-70	3.2	30
72	Intensive insulin therapy reduces microdialysis glucose values without altering glucose utilization or improving the lactate/pyruvate ratio after traumatic brain injury. <i>Critical Care Medicine</i> , 2006 , 34, 850-6	1.4	329
71	A Data mining framework of noninvasive intracranial pressure assessment. <i>Biomedical Signal Processing and Control</i> , 2006 , 1, 64-77	4.9	20
70	The extended direct endonasal transsphenoidal approach for nonadenomatous suprasellar tumors. <i>Journal of Neurosurgery</i> , 2005 , 102, 832-41	3.2	199
69	Frameless stereotactic aspiration and thrombolysis of deep intracerebral hemorrhage is associated with reduction of hemorrhage volume and neurological improvement. <i>Neurocritical Care</i> , 2005 , 2, 274-8	3.3	91
68	Metabolic crisis without brain ischemia is common after traumatic brain injury: a combined microdialysis and positron emission tomography study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 763-74	7.3	602
67	Posttraumatic vasospasm: the epidemiology, severity, and time course of an underestimated phenomenon: a prospective study performed in 299 patients. <i>Journal of Neurosurgery</i> , 2005 , 103, 812-24	3.2	149
66	Aneurysms of the posterior circulation: detection and treatment planning using volume-rendered three-dimensional helical computerized tomography angiography. <i>Journal of Neurosurgery</i> , 2005 , 103, 1018-29	3.2	26
65	Increased pentose phosphate cycle flux following severe traumatic brain injury: A ¹³ C-labeling study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S564-S564	7.3	1
64	Variability of intraoperative electrocortical stimulation mapping parameters across and within individuals. <i>Journal of Neurosurgery</i> , 2004 , 101, 458-66	3.2	114
63	Regional heterogeneity of post-traumatic brain metabolism as studied by microdialysis, magnetic resonance spectroscopy and positron emission tomography. <i>Brain Pathology</i> , 2004 , 14, 210-4	6	20
62	Functional magnetic resonance imaging and optical imaging for dominant-hemisphere perisylvian arteriovenous malformations. <i>Neurosurgery</i> , 2004 , 55, 804-12; discussion 812-4	3.2	51
61	Treatment of unruptured aneurysms with GDCs: clinical experience with 247 aneurysms. <i>American Journal of Neuroradiology</i> , 2004 , 25, 577-83	4.4	68
60	Assessment of cerebral blood flow by means of blood-flow-volume measurement in the internal carotid artery: comparative study with a ¹³³ xenon clearance technique. <i>Stroke</i> , 2003 , 34, 1876-80	6.7	58

59	Category-specific naming deficit identified by intraoperative stimulation mapping and postoperative neuropsychological testing. Case report. <i>Journal of Neurosurgery</i> , 2003 , 99, 170-6	3.2	22
58	Applications and limitations of perfusion-dependent functional brain mapping for neurosurgical guidance. <i>Neurosurgical Focus</i> , 2003 , 15, E2	4.2	15
57	Persistently low extracellular glucose correlates with poor outcome 6 months after human traumatic brain injury despite a lack of increased lactate: a microdialysis study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 23, 865-77	7.3	281
56	Energy dysfunction as a predictor of outcome after moderate or severe head injury: indices of oxygen, glucose, and lactate metabolism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 23, 1239-50	7.3	247
55	Shedding light on brain mapping: advances in human optical imaging. <i>Trends in Neurosciences</i> , 2003 , 26, 277-82	13.3	88
54	Guglielmi detachable coil embolization of cerebral aneurysms: 11 years experience. <i>Journal of Neurosurgery</i> , 2003 , 98, 959-66	3.2	619
53	Spatial/temporal correlation of BOLD and optical intrinsic signals in humans. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 766-76	4.4	62
52	Utility of preoperative functional magnetic resonance imaging for identifying language cortices in patients with vascular malformations. <i>Journal of Neurosurgery</i> , 2002 , 97, 21-32	3.2	101
51	Early and persistent impaired percent alpha variability on continuous electroencephalography monitoring as predictive of poor outcome after traumatic brain injury. <i>Journal of Neurosurgery</i> , 2002 , 97, 84-92	3.2	98
50	Efficacy of hyperventilation, blood pressure elevation, and metabolic suppression therapy in controlling intracranial pressure after head injury. <i>Journal of Neurosurgery</i> , 2002 , 97, 1045-53	3.2	107
49	Intraoperative optical intrinsic signal imaging: a clinical tool for functional brain mapping. <i>Neurosurgical Focus</i> , 2002 , 13, e1	4.2	25
48	Multimodal quantitation of the effects of endovascular therapy for vasospasm on cerebral blood flow, transcranial doppler ultrasonographic velocities, and cerebral artery diameters. <i>Neurosurgery</i> , 2002 , 51, 30-41; discussion 41-3	3.2	53
47	Utility of preoperative functional magnetic resonance imaging for identifying language cortices in patients with vascular malformations. <i>Neurosurgical Focus</i> , 2002 , 13, 21-32	4.2	15
46	Detection and characterization of very small cerebral aneurysms by using 2D and 3D helical CT angiography. <i>American Journal of Neuroradiology</i> , 2002 , 23, 1187-98	4.4	142
45	Transcranial Doppler pulsatility indices as a measure of diffuse small-vessel disease. <i>Journal of Neuroimaging</i> , 2001 , 11, 229-35	2.8	116
44	Carbon dioxide reactivity, pressure autoregulation, and metabolic suppression reactivity after head injury: a transcranial Doppler study. <i>Journal of Neurosurgery</i> , 2001 , 95, 222-32	3.2	80
43	Dissociation of cerebral glucose metabolism and level of consciousness during the period of metabolic depression following human traumatic brain injury. <i>Journal of Neurotrauma</i> , 2000 , 17, 389-401	5.4	206
42	A meningioma-mimicking tumor caused by <i>Mycobacterium avium</i> complex in an immunocompromised patient. <i>American Journal of Surgical Pathology</i> , 2000 , 24, 136-9	6.7	22

41	Volume-rendered helical computerized tomography angiography in the detection and characterization of intracranial aneurysms. <i>Journal of Neurosurgery</i> , 2000 , 93, 254-64	3.2	88
40	Temporal and topographical characterization of language cortices using intraoperative optical intrinsic signals. <i>NeuroImage</i> , 2000 , 12, 41-54	7.9	92
39	Ballonn-assisted Guglielmi detachable coiling of wide-necked aneurysms: Part II--clinical results. <i>Neurosurgery</i> , 1999 , 45, 531-7; discussion 537-8	3.2	138
38	Increased incidence and impact of nonconvulsive and convulsive seizures after traumatic brain injury as detected by continuous electroencephalographic monitoring. <i>Journal of Neurosurgery</i> , 1999 , 91, 750-60	3.2	406
37	Neuropsychological, psychosocial and vocational correlates of the Glasgow Outcome Scale at 6 months post-injury: a study of moderate to severe traumatic brain injury patients. <i>Brain Injury</i> , 1998 , 12, 555-67	2.1	52
36	Increase in extracellular glutamate caused by reduced cerebral perfusion pressure and seizures after human traumatic brain injury: a microdialysis study. <i>Journal of Neurosurgery</i> , 1998 , 89, 971-82	3.2	244
35	Depression, cognition, and functional correlates of recovery outcome after traumatic brain injury. <i>Brain Injury</i> , 1998 , 12, 537-53	2.1	108
34	Topographical and temporal specificity of human intraoperative optical intrinsic signals. <i>NeuroReport</i> , 1998 , 9, 2557-63	1.7	52
33	The Combination of Endovascular and Surgical Techniques for the Treatment of Intracranial Aneurysms. <i>Neurosurgery Clinics of North America</i> , 1998 , 9, 897-916	4	22
32	Incidence of cerebral vasospasm after endovascular treatment of acutely ruptured aneurysms: report on 69 cases. <i>Journal of Neurosurgery</i> , 1997 , 87, 830-5	3.2	134
31	Hemodynamically significant cerebral vasospasm and outcome after head injury: a prospective study. <i>Journal of Neurosurgery</i> , 1997 , 87, 221-33	3.2	115
30	Characterization of cerebral hemodynamic phases following severe head trauma: hypoperfusion, hyperemia, and vasospasm. <i>Journal of Neurosurgery</i> , 1997 , 87, 9-19	3.2	329
29	Cerebral hyperglycolysis following severe traumatic brain injury in humans: a positron emission tomography study. <i>Journal of Neurosurgery</i> , 1997 , 86, 241-51	3.2	488
28	The use of extracranial-intracranial bypass for the treatment of giant and fusiform aneurysms. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1997 , 6, 242-5	2.8	2
27	Decision-making for intracranial aneurysm treatment: when to select surgery, and when to select endovascular therapy. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1997 , 6, 253-7	2.8	6
26	Treatment of arteriovenous malformations: indications, grading, and techniques. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1997 , 6, 272-6	2.8	
25	Surgical treatment of spinal arteriovenous malformations. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1997 , 6, 287-91	2.8	
24	Cerebral arterial spasm after penetrating craniocerebral gunshot wounds: transcranial Doppler and cerebral blood flow findings. <i>Neurosurgery</i> , 1997 , 41, 351-9; discussion 359-60	3.2	31

23	Early detection of vasospasm after acute subarachnoid hemorrhage using continuous EEG ICU monitoring. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997 , 103, 607-15		246
22	Hyperemia following traumatic brain injury: relationship to intracranial hypertension and outcome. <i>Journal of Neurosurgery</i> , 1996 , 85, 762-71	3.2	96
21	The Simonsen Cerebrograph Cortexplorer. <i>Neurosurgery</i> , 1996 , 39, 1059-61	3.2	3
20	The Simonsen Cerebrograph Cortexplorer. <i>Neurosurgery</i> , 1996 , 39, 1059-1061	3.2	2
19	Cerebral Hemodynamic Disturbances Following Penetrating Craniocerebral Injury and their Influence on Outcome. <i>Neurosurgery Clinics of North America</i> , 1995 , 6, 657-667	4	19
18	Neurosurgical management of cerebral aneurysms following unsuccessful or incomplete endovascular embolization. <i>Journal of Neurosurgery</i> , 1995 , 83, 843-53	3.2	140
17	Posttraumatic cerebral arterial spasm. <i>Journal of Neurotrauma</i> , 1995 , 12, 897-901	5.4	65
16	Posterolateral cervical or thoracic approach with spinal cord rotation for vascular malformations or tumors of the ventrolateral spinal cord. <i>Journal of Neurosurgery</i> , 1995 , 83, 254-61	3.2	72
15	Cerebral Blood Flow Measurement in Neurosurgical Intensive Care. <i>Neurosurgery Clinics of North America</i> , 1994 , 5, 607-618	4	30
14	Localization of motor areas adjacent to arteriovenous malformations. A positron emission tomographic study 1994 , 4, 97-103		23
13	A comparison of quantitative electroencephalography, computed tomography, and behavioral evaluations to localize impairment in patients with stroke and transient ischemic attacks 1994 , 4, 82-4		6
12	The pathology of arteriovenous malformations of the brain treated by embolotherapy. II. Results of embolization with multiple agents. <i>Neuroradiology</i> , 1993 , 35, 468-74	3.2	44
11	Posttraumatic cerebral arterial spasm: transcranial Doppler ultrasound, cerebral blood flow, and angiographic findings. <i>Journal of Neurosurgery</i> , 1992 , 77, 575-83	3.2	191
10	Topographic mapping of somatosensory evoked potentials helps identify motor cortex more quickly in the operating room. <i>Brain Topography</i> , 1992 , 5, 53-8	4.3	21
9	Extended retrolabyrinthine transtentorial approach to petroclival lesions. <i>Laryngoscope</i> , 1991 , 101, 6-13	3.6	27
8	Pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage. <i>Neuroradiology</i> , 1990 , 32, 232-6	3.2	27
7	The pathology of encephalic arteriovenous malformations treated by prior embolotherapy. <i>Neuroradiology</i> , 1988 , 30, 1-10	3.2	28
6	Middle Cerebral Artery Aneurysm Due to Nocardia asteroides: Case Report of Aneurysm Excision and Extracranial-Intracranial Bypass. <i>Neurosurgery</i> , 1988 , 22, 923-928	3.2	32

5	Vertebrobasilar insufficiency. Part 1: Microsurgical treatment of extracranial vertebrobasilar disease. <i>Journal of Neurosurgery</i> , 1987 , 66, 648-61	3.2	127
4	A proposed grading system for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 1986 , 65, 476-83	3.2	1658
3	Development of pseudotumor cerebri after the removal of an adrenocorticotrophic hormone-secreting pituitary adenoma: case report. <i>Neurosurgery</i> , 1981 , 8, 699-702	3.2	16
2	Fibrinolytic activity of euglobulins precipitated from normal or factor XII-deficient plasma in the presence of saturated and unsaturated fatty acids. <i>Thrombosis Research</i> , 1978 , 13, 509-15	8.2	
1	Image-guided endoscopic evacuation of spontaneous intracerebral hemorrhage335-347		