

Neil A Martin

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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	A proposed grading system for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 1986 , 65, 476-83	3.2	1658
165	Guglielmi detachable coil embolization of cerebral aneurysms: 11 years experience. <i>Journal of Neurosurgery</i> , 2003 , 98, 959-66	3.2	619
164	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
163	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
162	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
161	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
160	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
159	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, 850-64	1.4	329
158	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
157	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
156	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
155	Early detection of vasospasm after acute subarachnoid hemorrhage using continuous EEG ICU monitoring. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997 , 103, 607-15		246
154	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
153	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
152	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
151	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
150	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

149	The extended direct endonasal transsphenoidal approach for nonadenomatous suprasellar tumors. <i>Journal of Neurosurgery</i> , 2005 , 102, 832-41	3.2	199
148	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
147	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
146	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	3.5	147
145	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
144	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
143	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
142	Neurosurgical management of cerebral aneurysms following unsuccessful or incomplete endovascular embolization. <i>Journal of Neurosurgery</i> , 1995 , 83, 843-53	3.2	140
141	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
140	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
139	Vertebrobasilar insufficiency. Part 1: Microsurgical treatment of extracranial vertebrobasilar disease. <i>Journal of Neurosurgery</i> , 1987 , 66, 648-61	3.2	127
138	Transcranial Doppler pulsatility indices as a measure of diffuse small-vessel disease. <i>Journal of Neuroimaging</i> , 2001 , 11, 229-35	2.8	116
137	Hemodynamically significant cerebral vasospasm and outcome after head injury: a prospective study. <i>Journal of Neurosurgery</i> , 1997 , 87, 221-33	3.2	115
136	Variability of intraoperative electrocortical stimulation mapping parameters across and within individuals. <i>Journal of Neurosurgery</i> , 2004 , 101, 458-66	3.2	114
135	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
134	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
133	Depression, cognition, and functional correlates of recovery outcome after traumatic brain injury. <i>Brain Injury</i> , 1998 , 12, 537-53	2.1	108
132	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

131	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
130	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
129	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
128	Hyperemia following traumatic brain injury: relationship to intracranial hypertension and outcome. <i>Journal of Neurosurgery</i> , 1996 , 85, 762-71	3.2	96
127	Temporal and topographical characterization of language cortices using intraoperative optical intrinsic signals. <i>NeuroImage</i> , 2000 , 12, 41-54	7.9	92
126	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
125	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	3.3	91
124	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
123	Shedding light on brain mapping: advances in human optical imaging. <i>Trends in Neurosciences</i> , 2003 , 26, 277-82	13.3	88
122	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
121	Image-guided endoscopic evacuation of spontaneous intracerebral hemorrhage. <i>World Neurosurgery</i> , 2008 , 69, 441-6; discussion 446		81
120	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
119	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
118	Impact of anatomic features in the endovascular embolization of 181 anterior communicating artery aneurysms. <i>Stroke</i> , 2008 , 39, 2776-82	6.7	72
117	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
116	Cerebral arteriovenous malformations. Part 2: physiology. <i>Neurosurgical Focus</i> , 2009 , 26, E11	4.2	70
115	Treatment of unruptured aneurysms with GDCs: clinical experience with 247 aneurysms. <i>American Journal of Neuroradiology</i> , 2004 , 25, 577-83	4.4	68
114	Posttraumatic cerebral arterial spasm. <i>Journal of Neurotrauma</i> , 1995 , 12, 897-901	5.4	65

113	Cerebral arteriovenous malformations. Part 1: cellular and molecular biology. <i>Neurosurgical Focus</i> , 2009 , 26, E10	4.2	62
112	Spatial/temporal correlation of BOLD and optical intrinsic signals in humans. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 766-76	4.4	62
111	Assessment of cerebral blood flow by means of blood-flow-volume measurement in the internal carotid artery: comparative study with a 133xenon clearance technique. <i>Stroke</i> , 2003 , 34, 1876-80	6.7	58
110	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
109	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
108	Cerebral metabolism following traumatic brain injury: new discoveries with implications for treatment. <i>Frontiers in Neuroscience</i> , 2014 , 8, 408	5.1	53
107	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
106	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
105	Topographical and temporal specificity of human intraoperative optical intrinsic signals. <i>NeuroReport</i> , 1998 , 9, 2557-63	1.7	52
104	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
103	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
102	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
101	Research productivity in neurosurgery: trends in globalization, scientific focus, and funding. <i>Journal of Neurosurgery</i> , 2011 , 115, 1262-72	3.2	47
100	Evolution of sinonasal symptoms following endoscopic anterior skull base surgery. <i>Skull Base</i> , 2010 , 20, 245-51		47
99	Intracranial pressure pulse morphological features improved detection of decreased cerebral blood flow. <i>Physiological Measurement</i> , 2010 , 31, 679-95	2.9	46
98	A proposed grading system for arteriovenous malformations. 1986. <i>Journal of Neurosurgery</i> , 2008 , 108, 186-93	3.2	45
97	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
96	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

95	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
94	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
93	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
92	Surgical trials in intracerebral hemorrhage. <i>Stroke</i> , 2013 , 44, S79-82	6.7	32
91	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
90	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
89	Predictive combinations of monitor alarms preceding in-hospital code blue events. <i>Journal of Biomedical Informatics</i> , 2012 , 45, 913-21	10.2	31
88	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
87	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
86	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
85	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
84	Indirect revascularization for nonmoyamoya intracranial arterial stenoses: clinical and angiographic outcomes. <i>Journal of Neurosurgery</i> , 2012 , 117, 94-102	3.2	30
83	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
82	Cerebral Blood Flow Measurement in Neurosurgical Intensive Care. <i>Neurosurgery Clinics of North America</i> , 1994 , 5, 607-618	4	30
81	The pathology of encephalic arteriovenous malformations treated by prior embolotherapy. <i>Neuroradiology</i> , 1988 , 30, 1-10	3.2	28
80	Extended retrolabyrinthine transtentorial approach to petroclival lesions. <i>Laryngoscope</i> , 1991 , 101, 6-13	3.6	27
79	Pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage. <i>Neuroradiology</i> , 1990 , 32, 232-6	3.2	27
78	Value-based neurosurgery: the example of microvascular decompression surgery. <i>Journal of Neurosurgery</i> , 2014 , 120, 462-72	3.2	26

77	Pure arterial malformation of the posterior cerebral artery: importance of its recognition. <i>Journal of Neurosurgery</i> , 2013 , 119, 655-60	3.2	26
76	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
75	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
74	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
73	Intraoperative optical intrinsic signal imaging: a clinical tool for functional brain mapping. <i>Neurosurgical Focus</i> , 2002 , 13, e1	4.2	25
72	Assessing early unplanned reoperations in neurosurgery: opportunities for quality improvement. <i>Journal of Neurosurgery</i> , 2015 , 123, 198-205	3.2	24
71	Predictors of recurrence following resection of intracranial chordomas. <i>Journal of Clinical Neuroscience</i> , 2015 , 22, 1792-6	2.2	24
70	Value-based neurosurgery: measuring and reducing the cost of microvascular decompression surgery. <i>Journal of Neurosurgery</i> , 2014 , 121, 700-8	3.2	23
69	Localization of motor areas adjacent to arteriovenous malformations. A positron emission tomographic study 1994 , 4, 97-103		23
68	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
67	A meningioma-mimicking tumor caused by Mycobacterium avium complex in an immunocompromised patient. <i>American Journal of Surgical Pathology</i> , 2000 , 24, 136-9	6.7	22
66	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
65	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
64	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
63	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
62	Demystifying process mapping: a key step in neurosurgical quality improvement initiatives. <i>Neurosurgery</i> , 2014 , 75, 99-109; discussion 109	3.2	20
61	A Data mining framework of noninvasive intracranial pressure assessment. <i>Biomedical Signal Processing and Control</i> , 2006 , 1, 64-77	4.9	20
60	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

59	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
58	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
57	Chromosomal anomalies and prognostic markers for intracranial and spinal ependymomas. <i>Journal of Clinical Neuroscience</i> , 2012 , 19, 779-85	2.2	17
56	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
55	Factors predicting language lateralization in patients with perisylvian vascular malformations. Clinical article. <i>Journal of Neurosurgery</i> , 2010 , 113, 723-30	3.2	16
54	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
53	Intra-aneurysmal hemodynamics in a large middle cerebral artery aneurysm with wall atherosclerosis. <i>World Neurosurgery</i> , 2008 , 70, 454-62; discussion 462		16
52	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
51	Development of pseudotumor cerebri after the removal of an adrenocorticotropic hormone-secreting pituitary adenoma: case report. <i>Neurosurgery</i> , 1981 , 8, 699-702	3.2	16
50	Hemorrhagic stroke: introduction. <i>Stroke</i> , 2013 , 44, S65-6	6.7	15
49	Healthcare reform from the inside: A neurosurgical clinical quality program 2012 , 3, 128		15
48	Applications and limitations of perfusion-dependent functional brain mapping for neurosurgical guidance. <i>Neurosurgical Focus</i> , 2003 , 15, E2	4.2	15
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	Metabolomic analysis of cerebral spinal fluid from patients with severe brain injury. <i>Acta Neurochirurgica Supplementum</i> , 2013 , 118, 115-9	1.7	15
45	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
44	Assessing the cost of contemporary pituitary care. <i>Neurosurgical Focus</i> , 2014 , 37, E7	4.2	14
43	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
42	Changes in stroke research productivity: A global perspective 2012 , 3, 27		14

41	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
40	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
39	University of California, Los Angeles, surgical time-out process: evolution, challenges, and future perspective. <i>Neurosurgical Focus</i> , 2012 , 33, E5	4.2	11
38	A review of the diagnosis and management of vertebral basilar (posterior) circulation disease. <i>Surgical Neurology International</i> , 2018 , 9, 106	1	10
37	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
36	Neuropathologic analysis of hematomas evacuated from patients with spontaneous intracerebral hemorrhage. <i>Neuropathology</i> , 2014 , 34, 253-60	2	9
35	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
34	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
33	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
32	Contemporary health care economics: an overview. <i>Neurosurgical Focus</i> , 2014 , 37, E2	4.2	8
31	Meningeal management for optimal revascularization from middle meningeal artery. <i>Journal of Neurosurgery</i> , 2013 , 118, 104-8	3.2	8
30	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
29	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
28	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
27	Surgical strategies for aneurysms deemed unclippable and uncoilable. <i>Neurochirurgie</i> , 2012 , 58, 199-205 ^{1.4}		6
26	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
25	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
24	Advances in the biology of cerebral cavernous malformations 2010 , 1, 63		6

23	Quantitative Intracerebral Hemorrhage Localization. <i>Stroke</i> , 2015 , 46, 3270-3	6.7	5
22	Intracranial pressure signal morphology: real-time tracking. <i>IEEE Pulse</i> , 2012 , 3, 49-52	0.7	4
21	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
20	Philanthropy funding for neurosurgery research and program development. <i>Neurosurgery</i> , 2013 , 73, 177-83	3.2	3
19	The Simonsen Cerebrograph Cortexplorer. <i>Neurosurgery</i> , 1996 , 39, 1059-61	3.2	3
18	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
17	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
16	The Simonsen Cerebrograph Cortexplorer. <i>Neurosurgery</i> , 1996 , 39, 1059-1061	3.2	2
15	Advanced Practice Providers in Radiation Oncology. <i>Practical Radiation Oncology</i> , 2020 , 10, e192-e198	2.8	2
14	Introduction: Health economics and the neurosurgeon. <i>Neurosurgical Focus</i> , 2014 , 37, Introduction	4.2	1
13	Transnasal Endoscopic Resection of Clival Chordoma. <i>Laryngoscope</i> , 2011 , 121, S236-S236	3.6	1
12	Curriculum-based neurosurgery digital library. <i>Neurosurgery</i> , 2010 , 67, 1426-30; discussion 1430	3.2	1
11	Increased pentose phosphate cycle flux following severe traumatic brain injury: A 13C-labeling study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S564-S564	7.3	1
10	Revascularization Techniques for Complex Aneurysms and Skull Base Tumors 2011 , 3978-3990		1
9	Streamlining brain tumor surgery care during the COVID-19 pandemic: A case-control study. <i>PLoS ONE</i> , 2021 , 16, e0254958	3.7	1
8	Implementing High-Performance Teams: Strengths of a Standard Communication Tool in Neurosurgery. <i>American Journal of Medical Quality</i> , 2016 , 31, 95	1.1	
7	Image-guided endoscopic evacuation of spontaneous intracerebral hemorrhage 335-347		
6	A 26-year-old female with a millimetric prepontine lesion. <i>Brain Pathology</i> , 2014 , 24, 421-2	6	

5	Treatment of arteriovenous malformations: indications, grading, and techniques. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1997 , 6, 272-6	2.8
4	Surgical treatment of spinal arteriovenous malformations. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1997 , 6, 287-91	2.8
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