

Neil A Martin

List of Publications by Year in descending order

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Version: 2024-02-01

169
papers

16,127
citations

19608

61
h-index

16127

124
g-index

171
all docs

171
docs citations

171
times ranked

10627
citing authors

#	ARTICLE	IF	CITATIONS
1	A proposed grading system for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 1986, 65, 476-483.	0.9	2,057
2	Guglielmi Detachable Coil embolization of cerebral aneurysms: 11 years' experience. <i>Journal of Neurosurgery</i> , 2003, 98, 959-966.	0.9	710
3	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, 763-774.	2.4	694
4	Cerebral hyperglycolysis following severe traumatic brain injury in humans: a positron emission tomography study. <i>Journal of Neurosurgery</i> , 1997, 86, 241-251.	0.9	567
5	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, 750-760.	0.9	512
6	Antitumor Activity of Rapamycin in a Phase I Trial for Patients with Recurrent PTEN-Deficient Glioblastoma. <i>PLoS Medicine</i> , 2008, 5, e8.	3.9	499
7	Characterization of cerebral hemodynamic phases following severe head trauma: hypoperfusion, hyperemia, and vasospasm. <i>Journal of Neurosurgery</i> , 1997, 87, 9-19.	0.9	406
8	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, 850-856.	0.4	380
9	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.	0.4	336
10	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, 865-877.	2.4	324
11	Minimally Invasive Surgery Plus Recombinant Tissue-type Plasminogen Activator for Intracerebral Hemorrhage Evacuation Decreases Perihematomal Edema. <i>Stroke</i> , 2013, 44, 627-634.	1.0	301
12	Early detection of vasospasm after acute subarachnoid hemorrhage using continuous EEG ICU monitoring. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997, 103, 607-615.	0.3	298
13	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> , The, 2016, 15, 1228-1237.	4.9	292
14	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, 971-982.	0.9	290
15	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.	0.4	290
16	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, 1239-1250.	2.4	284
17	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.	1.7	246
18	The extended direct endonasal transsphenoidal approach for nonadenomatous suprasellar tumors. <i>Journal of Neurosurgery</i> , 2005, 102, 832-841.	0.9	226

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19	Posttraumatic cerebral arterial spasm: transcranial Doppler ultrasound, cerebral blood flow, and angiographic findings. <i>Journal of Neurosurgery</i> , 1992, 77, 575-583.	0.9	220
20	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, 258-265.	3.6	186
21	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, 812-824.	0.9	180
22	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.	1.2	169
23	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, 2871-2877.	0.4	168
24	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.	0.4	163
25	Incidence of cerebral vasospasm after endovascular treatment of acutely ruptured aneurysms: report on 69 cases. <i>Journal of Neurosurgery</i> , 1997, 87, 830-835.	0.9	162
26	Neurosurgical management of cerebral aneurysms following unsuccessful or incomplete endovascular embolization. <i>Journal of Neurosurgery</i> , 1995, 83, 843-853.	0.9	160
27	Vertebrobasilar insufficiency. <i>Journal of Neurosurgery</i> , 1987, 66, 648-661.	0.9	159
28	Balloon-assisted Guglielmi Detachable Coiling of Wide-necked Aneurysms: Part II-Clinical Results. <i>Neurosurgery</i> , 1999, 45, 531-538.	0.6	154
29	ICES (Intraoperative Stereotactic Computed Tomography-Guided Endoscopic Surgery) for Brain Hemorrhage. <i>Stroke</i> , 2016, 47, 2749-2755.	1.0	143
30	Hemodynamically significant cerebral vasospasm and outcome after head injury: a prospective study. <i>Journal of Neurosurgery</i> , 1997, 87, 221-233.	0.9	140
31	Variability of intraoperative electrocortical stimulation mapping parameters across and within individuals. <i>Journal of Neurosurgery</i> , 2004, 101, 458-466.	0.9	138
32	Transcranial Doppler Pulsatility Indices as a Measure of Diffuse Smallâ€Vessel Disease. <i>Journal of Neuroimaging</i> , 2001, 11, 229-235.	1.0	137
33	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, 1593-1602.	2.4	134
34	Efficacy of hyperventilation, blood pressure elevation, and metabolic suppression therapy in controlling intracranial pressure after head injury. <i>Journal of Neurosurgery</i> , 2002, 97, 1045-1053.	0.9	133
35	Intensive care unit robotic telepresence facilitates rapid physician response to unstable patients and decreased cost in neurointensive care. <i>World Neurosurgery</i> , 2007, 67, 331-337.	1.3	128
36	Lactate: Brain Fuel in Human Traumatic Brain Injury: A Comparison with Normal Healthy Control Subjects. <i>Journal of Neurotrauma</i> , 2015, 32, 820-832.	1.7	127

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37	Hyperemia following traumatic brain injury: relationship to intracranial hypertension and outcome. <i>Journal of Neurosurgery</i> , 1996, 85, 762-771.	0.9	124
38	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.	0.9	123
39	Depression, cognition, and functional correlates of recovery outcome after traumatic brain injury. <i>Brain Injury</i> , 1998, 12, 537-553.	0.6	119
40	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.	0.9	118
41	Shedding light on brain mapping: advances in human optical imaging. <i>Trends in Neurosciences</i> , 2003, 26, 277-282.	4.2	114
42	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, 274-281.	1.2	111
43	Temporal and Topographical Characterization of Language Cortices Using Intraoperative Optical Intrinsic Signals. <i>NeuroImage</i> , 2000, 12, 41-54.	2.1	104
44	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, 1101-1112.	0.9	104
45	Volume-rendered helical computerized tomography angiography in the detection and characterization of intracranial aneurysms. <i>Journal of Neurosurgery</i> , 2000, 93, 254-264.	0.9	102
46	Carbon dioxide reactivity, pressure autoregulation, and metabolic suppression reactivity after head injury: a transcranial Doppler study. <i>Journal of Neurosurgery</i> , 2001, 95, 222-232.	0.9	97
47	Cerebral arteriovenous malformations. Part 2: physiology. <i>Neurosurgical Focus</i> , 2009, 26, E11.	1.0	93
48	Image-guided endoscopic evacuation of spontaneous intracerebral hemorrhage. <i>World Neurosurgery</i> , 2008, 69, 441-446.	1.3	92
49	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.	0.6	92
50	Impact of Anatomic Features in the Endovascular Embolization of 181 Anterior Communicating Artery Aneurysms. <i>Stroke</i> , 2008, 39, 2776-2782.	1.0	89
51	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, 254-261.	0.9	86
52	Treatment of unruptured aneurysms with GDCs: clinical experience with 247 aneurysms. <i>American Journal of Neuroradiology</i> , 2004, 25, 577-83.	1.2	79
53	Cerebral arteriovenous malformations. Part 1: cellular and molecular biology. <i>Neurosurgical Focus</i> , 2009, 26, E10.	1.0	78
54	Cerebral metabolism following traumatic brain injury: new discoveries with implications for treatment. <i>Frontiers in Neuroscience</i> , 2014, 8, 408.	1.4	75

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55	Posttraumatic Cerebral Arterial Spasm. <i>Journal of Neurotrauma</i> , 1995, 12, 897-901.	1.7	72
56	Time-driven activity-based costing: a driver for provider engagement in costing activities and redesign initiatives. <i>Neurosurgical Focus</i> , 2014, 37, E3.	1.0	71
57	Spatial/temporal correlation of BOLD and optical intrinsic signals in humans. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 766-776.	1.9	69
58	Functional Magnetic Resonance Imaging and Optical Imaging for Dominant-hemisphere Perisylvian Arteriovenous Malformations. <i>Neurosurgery</i> , 2004, 55, 804-814.	0.6	67
59	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, 579-590.	1.7	67
60	Genomic Profiles of Damage and Protection in Human Intracerebral Hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1860-1875.	2.4	67
61	Assessment of Cerebral Blood Flow by Means of Blood-Flow-Volume Measurement in the Internal Carotid Artery. <i>Stroke</i> , 2003, 34, 1876-1880.	1.0	64
62	Intracranial pressure pulse morphological features improved detection of decreased cerebral blood flow. <i>Physiological Measurement</i> , 2010, 31, 679-695.	1.2	60
63	Research productivity in neurosurgery: trends in globalization, scientific focus, and funding. <i>Journal of Neurosurgery</i> , 2011, 115, 1262-1272.	0.9	60
64	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, 30-43.	0.6	58
65	Evolution of Sinonasal Symptoms Following Endoscopic Anterior Skull Base Surgery. <i>Skull Base</i> , 2010, 20, 245-251.	0.4	58
66	Topographical and temporal specificity of human intraoperative optical intrinsic signals. <i>NeuroReport</i> , 1998, 9, 2557-2563.	0.6	57
67	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, 555-567.	0.6	56
68	Analysis of 30-day readmissions among neurosurgical patients: surgical complication avoidance as key to quality improvement. <i>Journal of Neurosurgery</i> , 2014, 121, 170-175.	0.9	54
69	A proposed grading system for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2008, 108, 186-193.	0.9	53
70	Endovascular Coiling of Intracranial Aneurysms in Elderly Patients. <i>Neurosurgery</i> , 2010, 66, 714-721.	0.6	51
71	Extended Retrolabyrinthine Transtentorial Approach to Petroclival Lesions. <i>Laryngoscope</i> , 1991, 101, 677-713.	1.1	49
72	The pathology of arteriovenous malformations of the brain treated by embolotherapy. <i>Neuroradiology</i> , 1993, 35, 468-474.	1.1	47

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73	Encephaloduroarteriosynangiosis for adult intracranial arterial steno-occlusive disease: long-term single-center experience with 107 operations. <i>Journal of Neurosurgery</i> , 2015, 123, 654-661.	0.9	46
74	Frontal bur hole through an eyebrow incision for image-guided endoscopic evacuation of spontaneous intracerebral hemorrhage. <i>Journal of Neurosurgery</i> , 2012, 117, 767-773.	0.9	43
75	Endogenous Nutritive Support after Traumatic Brain Injury: Peripheral Lactate Production for Glucose Supply via Gluconeogenesis. <i>Journal of Neurotrauma</i> , 2015, 32, 811-819.	1.7	41
76	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.	2.5	39
77	Current trends in intraoperative optical imaging for functional brain mapping and delineation of lesions of language cortex. <i>NeuroImage</i> , 2009, 47, T116-T126.	2.1	39
78	Predictive combinations of monitor alarms preceding in-hospital code blue events. <i>Journal of Biomedical Informatics</i> , 2012, 45, 913-921.	2.5	38
79	Surgical Trials in Intracerebral Hemorrhage. <i>Stroke</i> , 2013, 44, S79-82.	1.0	38
80	Effectiveness of Burr Holes for Indirect Revascularization in Patients with Moyamoya Disease—A Review of the Literature. <i>World Neurosurgery</i> , 2014, 81, 91-98.	0.7	38
81	Contribution of endovascular therapy to the management of poor-grade aneurysmal subarachnoid hemorrhage: clinical and angiographic outcomes. <i>Journal of Neurosurgery</i> , 2006, 105, 664-670.	0.9	37
82	Middle Cerebral Artery Aneurysm Due to <i>Nocardia asteroides</i> : Case Report of Aneurysm Excision and Extracranial-Intracranial Bypass. <i>Neurosurgery</i> , 1988, 22, 923-928.	0.6	35
83	Cerebral Arterial Spasm after Penetrating Craniocerebral Gunshot Wounds: Transcranial Doppler and Cerebral Blood Flow Findings. <i>Neurosurgery</i> , 1997, 41, 351-360.	0.6	35
84	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, 2017-2020.	1.0	35
85	Pure arterial malformation of the posterior cerebral artery: importance of its recognition. <i>Journal of Neurosurgery</i> , 2013, 119, 655-660.	0.9	35
86	Indirect revascularization for nonmoyamoya intracranial arterial stenoses: clinical and angiographic outcomes. <i>Journal of Neurosurgery</i> , 2012, 117, 94-102.	0.9	34
87	Middle Cranial Fossa Sphenoidal Region Dural Arteriovenous Fistulas: Anatomic and Treatment Considerations. <i>American Journal of Neuroradiology</i> , 2013, 34, 373-380.	1.2	34
88	The pathology of encephalic arteriovenous malformations treated by prior embolotherapy. <i>Neuroradiology</i> , 1988, 30, 1-10.	1.1	33
89	Cerebral Blood Flow Measurement in Neurosurgical Intensive Care. <i>Neurosurgery Clinics of North America</i> , 1994, 5, 607-618.	0.8	32
90	Intraoperative optical intrinsic signal imaging: a clinical tool for functional brain mapping. <i>Neurosurgical Focus</i> , 2002, 13, 1-9.	1.0	32

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91	Value-based neurosurgery: the example of microvascular decompression surgery. <i>Journal of Neurosurgery</i> , 2014, 120, 462-472.	0.9	31
92	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, 1018-1029.	0.9	30
93	Assessing early unplanned reoperations in neurosurgery: opportunities for quality improvement. <i>Journal of Neurosurgery</i> , 2015, 123, 198-205.	0.9	30
94	Effects of Mobile and Digital Support for a Structured, Competency-Based Curriculum in Neurosurgery Residency Education. <i>Neurosurgery</i> , 2012, 71, 164-172.	0.6	29
95	Value-based neurosurgery: measuring and reducing the cost of microvascular decompression surgery. <i>Journal of Neurosurgery</i> , 2014, 121, 700-708.	0.9	29
96	Predictors of recurrence following resection of intracranial chordomas. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 1792-1796.	0.8	29
97	Pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage. <i>Neuroradiology</i> , 1990, 32, 232-236.	1.1	28
98	Localization of Motor Areas Adjacent to Arteriovenous Malformations: A Positron Emission Tomographic Study. <i>Journal of Neuroimaging</i> , 1994, 4, 97-103.	1.0	27
99	The Combination of Endovascular and Surgical Techniques for the Treatment of Intracranial Aneurysms. <i>Neurosurgery Clinics of North America</i> , 1998, 9, 897-916.	0.8	27
100	Category-specific naming deficit identified by intraoperative stimulation mapping and postoperative neuropsychological testing. <i>Journal of Neurosurgery</i> , 2003, 99, 170-176.	0.9	27
101	A Meningioma-Mimicking Tumor Caused by Mycobacterium avium Complex in an Immunocompromised Patient. <i>American Journal of Surgical Pathology</i> , 2000, 24, 136.	2.1	26
102	Tracking and Sustaining Improvement Initiatives. <i>Neurosurgery</i> , 2014, 74, 235-244.	0.6	26
103	Demystifying Process Mapping. <i>Neurosurgery</i> , 2014, 75, 99-109.	0.6	25
104	Topographic mapping of somatosensory evoked potentials helps identify motor cortex more quickly in the operating room. <i>Brain Topography</i> , 1992, 5, 53-58.	0.8	24
105	A Data mining framework of noninvasive intracranial pressure assessment. <i>Biomedical Signal Processing and Control</i> , 2006, 1, 64-77.	3.5	23
106	Noninvasive Intracranial Pressure Assessment Based on a Data-Mining Approach Using a Nonlinear Mapping Function. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 619-626.	2.5	23
107	Regional Heterogeneity of Post-Traumatic Brain Metabolism as Studied by Microdialysis, Magnetic Resonance Spectroscopy and Positron Emission Tomography. <i>Brain Pathology</i> , 2004, 14, 210-214.	2.1	22
108	Chromosomal anomalies and prognostic markers for intracranial and spinal ependymomas. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 779-785.	0.8	22

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109	Metabolomic Analysis of Cerebral Spinal Fluid from Patients with Severe Brain Injury. , 2013, 118, 115-119.		22
110	Cerebral Hemodynamic Disturbances Following Penetrating Craniocerebral Injury and their Influence on Outcome. Neurosurgery Clinics of North America, 1995, 6, 657-667.	0.8	21
111	Hemorrhagic Stroke: Introduction. Stroke, 2013, 44, S65-6.	1.0	21
112	Rotational vertebral artery occlusion secondary to adjacent-level degeneration following anterior cervical discectomy and fusion. Journal of Neurosurgery: Spine, 2014, 20, 714-721.	0.9	21
113	MANAGEMENT OF GIANT MIDDLE CEREBRAL ARTERY ANEURYSMS WITH INCORPORATED BRANCHES. Operative Neurosurgery, 2009, 65, ons121-ons131.	0.4	20
114	Technical nuances of temporal muscle dissection and reconstruction for the pterional keyhole craniotomy. Journal of Neurosurgery, 2013, 118, 309-314.	0.9	20
115	Impact of the Time-Out Process on Safety Attitude in a Tertiary Neurosurgical Department. World Neurosurgery, 2014, 82, 567-574.	0.7	20
116	Development of Pseudotumor Cerebri after the Removal of an Adrenocorticotrophic Hormone-secreting Pituitary Adenoma. Neurosurgery, 1981, 8, 699-702.	0.6	19
117	Factors predicting language lateralization in patients with perisylvian vascular malformations. Journal of Neurosurgery, 2010, 113, 723-730.	0.9	19
118	The Occipital Interhemispheric Transtentorial Approach for Superior Vermian, Superomedian Cerebellar, and Tectal Arteriovenous Malformations: Advantages, Limitations, and Alternatives. World Neurosurgery, 2014, 82, 409-416.	0.7	19
119	Intra-aneurysmal hemodynamics in a large middle cerebral artery aneurysm with wall atherosclerosis. World Neurosurgery, 2008, 70, 454-462.	1.3	18
120	Applications and limitations of perfusion-dependent functional brain mapping for neurosurgical guidance. Neurosurgical Focus, 2003, 15, 1-8.	1.0	17
121	Nonlinear Analysis of Cerebral Hemodynamic and Intracranial Pressure Signals for Characterization of Autoregulation. IEEE Transactions on Biomedical Engineering, 2006, 53, 195-209.	2.5	17
122	Longitudinal quantification and visualization of intracerebral haemorrhage using multimodal magnetic resonance and diffusion tensor imaging. Brain Injury, 2015, 29, 438-445.	0.6	17
123	A review of the diagnosis and management of vertebral basilar (posterior) circulation disease. , 2018, 9, 106.		17
124	Utility of preoperative functional magnetic resonance imaging for identifying language cortices in patients with vascular malformations. Neurosurgical Focus, 2002, 13, 21-32.	1.0	16
125	Assessing the cost of contemporary pituitary care. Neurosurgical Focus, 2014, 37, E7.	1.0	16
126	A comparison of vital signs charted by nurses with automated acquired values using waveform quality indices. Journal of Clinical Monitoring and Computing, 2009, 23, 263-271.	0.7	15

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127	Inter-Subject Correlation Exists Between Morphological Metrics of Cerebral Blood Flow Velocity and Intracranial Pressure Pulses. <i>Neurocritical Care</i> , 2011, 14, 229-237.	1.2	15
128	Changes in stroke research productivity: A global perspective. , 2012, 3, 27.		15
129	Healthcare reform from the inside: A neurosurgical clinical quality program. , 2012, 3, 128.		15
130	University of California, Los Angeles, surgical time-out process: evolution, challenges, and future perspective. <i>Neurosurgical Focus</i> , 2012, 33, E5.	1.0	14
131	The extended subtemporal transtentorial approach: The impact of trochlear nerve dissection and tentorial incision. <i>Journal of Clinical Neuroscience</i> , 2013, 20, 1139-1143.	0.8	13
132	Neuropathologic analysis of hematomas evacuated from patients with spontaneous intracerebral hemorrhage. <i>Neuropathology</i> , 2014, 34, 253-260.	0.7	13
133	Artificial Intelligence for Rapid Meta-Analysis: Case Study on Ocular Toxicity of Hydroxychloroquine. <i>Journal of Medical Internet Research</i> , 2020, 22, e20007.	2.1	12
134	Integrating risk management data in quality improvement initiatives within an academic neurosurgery department. <i>Journal of Neurosurgery</i> , 2016, 124, 199-206.	0.9	11
135	Recent Advances in the Patient Safety and Quality Initiatives Movement. <i>Neurosurgery Clinics of North America</i> , 2015, 26, 301-315.	0.8	10
136	Quantitative Intracerebral Hemorrhage Localization. <i>Stroke</i> , 2015, 46, 3270-3273.	1.0	10
137	Streamlining brain tumor surgery care during the COVID-19 pandemic: A case-control study. <i>PLoS ONE</i> , 2021, 16, e0254958.	1.1	10
138	INTRA-ARTERIAL CALCIUM CHANNEL BLOCKER INFUSION FOR TREATMENT OF SEVERE VASOSPASM IN TRAUMATIC BRAIN INJURY. <i>Neurosurgery</i> , 2008, 63, E1004-E1006.	0.6	9
139	Meningeal management for optimal revascularization from middle meningeal artery. <i>Journal of Neurosurgery</i> , 2013, 118, 104-108.	0.9	9
140	Contemporary health care economics: an overview. <i>Neurosurgical Focus</i> , 2014, 37, E2.	1.0	9
141	Editorial: Health care economics in neurosurgery: there is no turning back. <i>Neurosurgical Focus</i> , 2014, 37, E1.	1.0	9
142	Influence of Glycemic Control on Endogenous Circulating Ketone Concentrations in Adults Following Traumatic Brain Injury. <i>Neurocritical Care</i> , 2017, 26, 239-246.	1.2	8
143	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, 11-15.	0.5	8
144	A Comparison of Quantitative Electroencephalography, Computed Tomography, and Behavioral Evaluations to Localize Impairment in Patients with Stroke and Transient Ischemic Attacks. <i>Journal of Neuroimaging</i> , 1994, 4, 82-84.	1.0	7

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145	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, 253-257.	0.7	7
146	Surgical strategies for aneurysms deemed unclippable and uncoilable. <i>Neurochirurgie</i> , 2012, 58, 199-205.	0.6	7
147	Extended Subtemporal Transtentorial Approach to the Anterior Incisural Space and Upper Clival Region: Experience With Posterior Circulation Aneurysms. <i>Operative Neurosurgery</i> , 2014, 10, 15-24.	0.4	7
148	Intracranial Pressure Signal Morphology: Real-Time Tracking. <i>IEEE Pulse</i> , 2012, 3, 49-52.	0.1	6
149	Advanced Practice Providers in Radiation Oncology. <i>Practical Radiation Oncology</i> , 2020, 10, e192-e198.	1.1	6
150	Advances in the biology of cerebral cavernous malformations. , 2010, 1, 63.		6
151	Philanthropy Funding for Neurosurgery Research and Program Development. <i>Neurosurgery</i> , 2013, 73, 177-183.	0.6	5
152	The Simonsen Cerebrograph Cortexplorer. <i>Neurosurgery</i> , 1996, 39, 1059-1061.	0.6	3
153	The use of extracranial-intracranial bypass for the treatment of giant and fusiform aneurysms. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1997, 6, 242-245.	0.7	3
154	The Simonsen Cerebrograph Cortexplorer. <i>Neurosurgery</i> , 1996, 39, 1059-1061.	0.6	2
155	Encephaloduroarteriosynangiosis Operative Technique and Intraoperative Anesthesia Management: Treatment From Both Sides of the Curtain. <i>Operative Neurosurgery</i> , 2022, 22, 20-27.	0.4	2
156	Surgical treatment of spinal arteriovenous malformations. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1997, 6, 287-291.	0.7	1
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