Robert M Friedlander

List of Publications by Year
in descending order

231	17,148	22153 59	14759 127
papers	citations	h-index	g-index

234	234	234	15769
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Loss of Huntingtin-Mediated BDNF Gene Transcription in Huntington's Disease. Science, 2001, 293, 493-498.	12.6	1,191
2	Minocycline inhibits cytochrome c release and delays progression of amyotrophic lateral sclerosis in mice. Nature, 2002, 417, 74-78.	27.8	1,023
3	Neurotoxicity induces cleavage of p35 to p25 by calpain. Nature, 2000, 405, 360-364.	27.8	985
4	Minocycline inhibits caspase-1 and caspase-3 expression and delays mortality in a transgenic mouse model of Huntington disease. Nature Medicine, 2000, 6, 797-801.	30.7	972
5	Inhibition of interleukin 1Â converting enzyme family proteases reduces ischemic and excitotoxic neuronal damage. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 2007-2012.	7.1	830
6	Apoptosis and Caspases in Neurodegenerative Diseases. New England Journal of Medicine, 2003, 348, 1365-1375.	27.0	786
7	Functional Role of Caspase-1 and Caspase-3 in an ALS Transgenic Mouse Model. Science, 2000, 288, 335-339.	12.6	680
8	Inhibition of caspase-1 slows disease progression in a mouse model of Huntington's disease. Nature, 1999, 399, 263-267.	27.8	606
9	Minocycline inhibits caspase-independent and -dependent mitochondrial cell death pathways in models of Huntington's disease. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10483-10487.	7.1	390
10	Expression of a Dominant Negative Mutant of Interleukin-1Î² Converting Enzyme in Transgenic Mice Prevents Neuronal Cell Death Induced by Trophic Factor Withdrawal and Ischemic Brain Injury. Journal of Experimental Medicine, 1997, 185, 933-940.	8.5	365
11	Minocycline inhibits contusion-triggered mitochondrial cytochrome c release and mitigates functional deficits after spinal cord injury. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3071-3076.	7.1	309
12	Arteriovenous Malformations of the Brain. New England Journal of Medicine, 2007, 356, 2704-2712.	27.0	305
13	Inhibition of ICE slows ALS in mice. Nature, 1997, 388, 31-31.	27.8	298
14	Dual role of mitochondria in producing melatonin and driving GPCR signaling to block cytochrome c release. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7997-E8006.	7.1	285
15	Minocycline Reduces Traumatic Brain Injury-mediated Caspase-1 Activation, Tissue Damage, and Neurological Dysfunction. Neurosurgery, 2001, 48, 1393-1401.	1.1	270
16	Attenuation of Transient Focal Cerebral Ischemic Injury in Transgenic Mice Expressing a Mutant ICE Inhibitory Protein. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 370-375.	4.3	232
17	Tumor necrosis factor-induced apoptosis is mediated by a CrmA-sensitive cell death pathway.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8318-8322.	7.1	226
18	Caspase Cascades in Human Immunodeficiency Virus-Associated Neurodegeneration. Journal of Neuroscience, 2002, 22, 4015-4024.	3.6	217

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19	High-Definition Fiber Tractography of the Human Brain. Neurosurgery, 2012, 71, 430-453.	1.1	213
20	Cerebral Intraparenchymal Hemorrhage. JAMA - Journal of the American Medical Association, 2019, 321, 1295.	7.4	206
21	Functional role of interleukin 1 beta (IL-1 beta) in IL-1 beta-converting enzyme-mediated apoptosis.. Journal of Experimental Medicine, 1996, 184, 717-724.	8.5	191
22	Minocycline Reduces Traumatic Brain Injury-mediated Caspase-1 Activation, Tissue Damage, and Neurological Dysfunction. Neurosurgery, 2001, 48, 1393-1401.	1.1	188
23	Inhibition of mitochondrial protein import by mutant huntingtin. Nature Neuroscience, 2014, 17, 822-831.	14.8	184
24	Additive neuroprotective effects of minocycline with creatine in a mouse model of ALS. Annals of Neurology, 2003, 53, 267-270.	5.3	180
25	Fundamental role of the Rip2/caspase-1 pathway in hypoxia and ischemia-induced neuronal cell death. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 16012-16017.	7.1	180
26	Early phenotypes that presage late-onset neurodegenerative disease allow testing of modifiers in Hdh CAG knock-in mice. Human Molecular Genetics, 2002, 11, 633-640.	2.9	162
27	Functional role and therapeutic implications of neuronal caspase-1 and -3 in a mouse model of traumatic spinal cord injury. Neuroscience, 2000, 99, 333-342.	2.3	158
28	The Melatonin MT1 Receptor Axis Modulates Mutant Huntingtin-Mediated Toxicity. Journal of Neuroscience, 2011, 31, 14496-14507.	3.6	145
29	Methazolamide and Melatonin Inhibit Mitochondrial Cytochrome C Release and Are Neuroprotective in Experimental Models of Ischemic Injury. Stroke, 2009, 40, 1877-1885.	2.0	137
30	Increased generation of granule cells in adult Bcl-2-overexpressing mice: a role for cell death during continued hippocampal neurogenesis. European Journal of Neuroscience, 2005, 22, 1907-1915.	2.6	131
31	Differential Susceptibility to Excitotoxic Stress in YAC128 Mouse Models of Huntington Disease between Initiation and Progression of Disease. Journal of Neuroscience, 2009, 29, 2193-2204.	3.6	123
32	Effects of caspase-1 knockout on chronic neural recording quality and longevity: Insight into cellular and molecular mechanisms of the reactive tissue response. Biomaterials, 2014, 35, 9620-9634.	11.4	118
33	Comprehensive chronic laminar single-unit, multi-unit, and local field potential recording performance with planar single shank electrode arrays. Journal of Neuroscience Methods, 2015, 242, 15-40.	2.5	116
34	Melatonin inhibits the caspase-1/cytochrome c/caspase-3 cell death pathway, inhibits MT1 receptor loss and delays disease progression in a mouse model of amyotrophic lateral sclerosis. Neurobiology of Disease, 2013, 55, 26-35.	4.4	111
35	Cytochrome C and Caspase-9 Expression in Huntington 's Disease. NeuroMolecular Medicine, 2002, 1, 183-196.	3.4	108
36	Prophylactic Creatine Administration Mediates Neuroprotection in Cerebral Ischemia in Mice. Journal of Neuroscience, 2004, 24, 5909-5912.	3.6	108

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37	Combination therapy using minocycline and coenzyme Q10 in R6/2 transgenic Huntington's disease mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2006, 1762, 373-380.	3.8	108
38	Melatonin inhibits cytosolic mitochondrial DNAâ€“induced neuroinflammatory signaling in accelerated aging and neurodegeneration. Journal of Clinical Investigation, 2020, 130, 3124-3136.	8.2	104
39	Treatment of ruptured and unruptured cerebral aneurysms in the USA: a paradigm shift. Journal of NeuroInterventional Surgery, 2012, 4, 182-189.	3.3	103
40	ICE, neuronal apoptosis and neurodegeneration. Cell Death and Differentiation, 1998, 5, 823-831.	11.2	102
41	Inhibitors of CytochromecRelease with Therapeutic Potential for Huntington's Disease. Journal of Neuroscience, 2008, 28, 9473-9485.	3.6	101
42	Full-length huntingtin levels modulate body weight by influencing insulin-like growth factor 1 expression. Human Molecular Genetics, 2010, 19, 1528-1538.	2.9	100
43	Instrumental Activation of Bid by Caspase-1 in a Transgenic Mouse Model of ALS. Molecular and Cellular Neurosciences, 2002, 20, 553-562.	2.2	97
44	Depletion of wild-type huntingtin in mouse models of neurologic diseases. Journal of Neurochemistry, 2003, 87, 101-106.	3.9	97
45	N-Acetyl-Serotonin Offers Neuroprotection through Inhibiting Mitochondrial Death Pathways and Autophagic Activation in Experimental Models of Ischemic Injury. Journal of Neuroscience, 2014, 34, 2967-2978.	3.6	97
46	Brain arteriovenous malformations. Neurology, 2020, 95, 917-927.	1.1	96
47	Advanced diffusion MRI fiber tracking in neurosurgical and neurodegenerative disorders and neuroanatomical studies: A review. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2286-2297.	3.8	93
48	Minocycline safety and tolerability in Huntington disease. Neurology, 2004, 63, 547-549.	1.1	91
49	Clinically Approved Heterocyclics Act on a Mitochondrial Target and Reduce Stroke-induced Pathology. Journal of Experimental Medicine, 2004, 200, 211-222.	8.5	90
50	Apoptotic Functions of PDCD10/CCM3 , the Gene Mutated in Cerebral Cavernous Malformation 3. Stroke, 2009, 40, 1474-1481.	2.0	89
51	Huntingtin inhibits caspase-3 activation. EMBO Journal, 2006, 25, 5896-5906.	7.8	88
52	Neurodegeneration and neuroprotection in multiple sclerosis and other neurodegenerative diseases. Journal of Neuroimmunology, 2006, 176, 198-215.	2.3	80
53	Transgenic mice expressing a dominant negative mutant interleukin-1Î² converting enzyme show resistance to MPTP neurotoxicity. NeuroReport, 1999, 10, 635-638.	1.2	79
54	Inhibition of angiogenesis and growth of human nerve-sheath tumors by AGM-1470. Journal of Neurosurgery, 1993, 78, 470-476.	1.6	78

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55	Nortriptyline Protects Mitochondria and Reduces Cerebral Ischemia/Hypoxia Injury. Stroke, 2008, 39, 455-462.	2.0	74
56	Treatment of ruptured and unruptured cerebral aneurysms in the USA: a paradigm shift. Journal of NeuroInterventional Surgery, 2018, 10, i69-i76.	3.3	72
57	Alleleâ€specific silencing of mutant Huntingtonâ€™s disease gene. Journal of Neurochemistry, 2009, 108, 82-90.	3.9	69
58	Financial burden associated with the residency match in neurological surgery. Journal of Neurosurgery, 2017, 126, 184-190.	1.6	66
59	Mutant huntingtin disrupts mitochondrial proteostasis by interacting with TIM23. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16593-16602.	7.1	66
60	Therapeutic neuroprotective agents for amyotrophic lateral sclerosis. Cellular and Molecular Life Sciences, 2013, 70, 4729-4745.	5.4	65
61	Melatonin improves quality and longevity of chronic neural recording. Biomaterials, 2018, 180, 225-239.	11.4	65
62	Angiogram-Negative Subarachnoid Hemorrhage: Relationship Between Bleeding Pattern and Clinical Outcome. Neurocritical Care, 2012, 16, 389-398.	2.4	62
63	Protection of melatonin in experimental models of newborn hypoxicâ€ischemic brain injury through <scp>MT</scp>1 receptor. Journal of Pineal Research, 2018, 64, e12443.	7.4	62
64	Sequential activation of individual caspases, and of alterations in Bcl-2 proapoptotic signals in a mouse model of Huntington's disease. Journal of Neurochemistry, 2003, 87, 1184-1192.	3.9	60
65	Caspases in Huntingtonâ€™s Disease. Neuroscientist, 2001, 7, 480-489.	3.5	58
66	Benefit of ventriculoperitoneal cerebrospinal fluid shunting and intrathecal chemotherapy in neoplastic meningitis: a retrospective, case-controlled study. Journal of Neurosurgery, 2011, 115, 730-736.	1.6	57
67	Medical Malpractice in Neurosurgery: A Comprehensive Analysis. World Neurosurgery, 2018, 110, e552-e559.	1.3	57
68	Aneurysmal subarachnoid hemorrhage in a patient with bilateral A1 fenestrations associated with an azygos anterior cerebral artery. Journal of Neurosurgery, 1996, 84, 681-684.	1.6	56
69	A specific inhibitor of apoptosis decreases tissue injury after intestinal ischemia-reperfusion in mice. Journal of Vascular Surgery, 1999, 30, 752-760.	1.1	56
70	Complement in neuroprotection and neurodegeneration. Trends in Molecular Medicine, 2010, 16, 69-76.	6.7	55
71	Minocycline is protective in a mouse model of Huntington's disease. Annals of Neurology, 2003, 54, 841-841.	5.3	53
72	Cardiolipin Signaling Mechanisms: Collapse of Asymmetry and Oxidation. Antioxidants and Redox Signaling, 2015, 22, 1667-1680.	5.4	50

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73	Nortriptyline delays disease onset in models of chronic neurodegeneration. European Journal of Neuroscience, 2007, 26, 633-641.	2.6	49
74	Design and validation of the first cellâ€impermeant melatonin receptor agonist. British Journal of Pharmacology, 2017, 174, 2409-2421.	5.4	49
75	Dysregulation of Receptor Interacting Protein-2 and Caspase Recruitment Domain Only Protein Mediates Aberrant Caspase-1 Activation in Huntington's Disease. Journal of Neuroscience, 2005, 25, 11645-11654.	3.6	45
76	The Mitochondrial Permeability Transition as a Target for Neuroprotection. Journal of Bioenergetics and Biomembranes, 2004, 36, 309-312.	2.3	44
77	Malonate and 3-Nitropropionic Acid Neurotoxicity Are Reduced in Transgenic Mice Expressing a Caspase-1 Dominant-Negative Mutant. Journal of Neurochemistry, 2002, 75, 847-852.	3.9	43
78	Oxidative Stress Is Associated With Cell Death, Wall Degradation, and Increased Risk of Rupture of the Intracranial Aneurysm Wall. Neurosurgery, 2013, 72, 109-117.	1.1	38
79	Using non-coding small RNAs to develop therapies for Huntington's disease. Gene Therapy, 2011, 18, 1139-1149.	4.5	37
80	Impact of Frailty on Outcomes Following Spine Surgery: A Prospective Cohort Analysis of 668 Patients. Neurosurgery, 2021, 88, 552-557.	1.1	36
81	Longitudinal evaluation of corticospinal tract in patients with resected brainstem cavernous malformations using high-definition fiber tractography and diffusion connectometry analysis: preliminary experience. Journal of Neurosurgery, 2015, 123, 1133-1144.	1.6	35
82	Nâ€acetylâ€<scp>l</scp>â€tryptophan, but not Nâ€acetylâ€<scp>d</scp>â€tryptophan, rescues neuronal cell death in models of amyotrophic lateral sclerosis. Journal of Neurochemistry, 2015, 134, 956-968.	3.9	34
83	Case 16-2003. New England Journal of Medicine, 2003, 348, 2125-2132.	27.0	33
84	Dipyrone Inhibits Neuronal Cell Death and Diminishes Hypoxic/Ischemic Brain Injury. Neurosurgery, 2011, 69, 942-956.	1.1	32
85	Accuracy of Oncologists' Life-Expectancy Estimates Recalled by Their Advanced Cancer Patients: Correlates and Outcomes. Journal of Palliative Medicine, 2016, 19, 1296-1303.	1.1	32
86	Role of Caspase 1 in Neurologic Disease. Archives of Neurology, 2000, 57, 1273-6.	4.5	31
87	Increased stem cell proliferation in the spinal cord of adult amyotrophic lateral sclerosis transgenic mice. Journal of Neurochemistry, 2007, 102, 1125-1138.	3.9	31
88	CHIARI I MALFORMATION AS A CAUSE OF TRIGEMINAL NEURALGIA. Neurosurgery, 2008, 63, E614-E615.	1.1	31
89	Implementation of an infection prevention bundle and increased physician awareness improves surgical outcomes and reduces costs associated with spine surgery. Journal of Neurosurgery: Spine, 2018, 29, 108-114.	1.7	29
90	Mitochondria modulate programmed neuritic retraction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 650-659.	7.1	29

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91	Intracellular Signaling Pathways and Size, Shape, and Rupture History of Human Intracranial Aneurysms. Neurosurgery, 2012, 70, 1565-1573.	1.1	28
92	Diagnostic accuracy of somatosensory evoked potential and electroencephalography during carotid endarterectomy. Neurological Research, 2016, 38, 698-705.	1.3	26
93	Prevention of nuclear localization of activated caspases correlates with inhibition of apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2000, 5, 117-132.	4.9	25
94	Preliminary Results of the ARUBA Study. Neurosurgery, 2013, 73, E379-E381.	1.1	25
95	Use of diffusion spectrum imaging in preliminary longitudinal evaluation of amyotrophic lateral sclerosis: development of an imaging biomarker. Frontiers in Human Neuroscience, 2014, 8, 270.	2.0	25
96	Application of High-Definition Fiber Tractography in the Management of Supratentorial Cavernous Malformations. Neurosurgery, 2014, 74, 668-681.	1.1	25
97	Pathological response of cavernous malformations following radiosurgery. Journal of Neurosurgery, 2015, 123, 938-944.	1.6	24
98	Comparative durability and costs analysis of ventricular shunts. Journal of Neurosurgery, 2019, 130, 1252-1259.	1.6	24
99	Composite ganglioneuroma-paraganglioma of the filum terminale. Journal of Neurosurgery: Spine, 2010, 12, 709-713.	1.7	23
100	Connecting Neuronal Cell Protective Pathways and Drug Combinations in a Huntingtonâ€™s Disease Model through the Application of Quantitative Systems Pharmacology. Scientific Reports, 2017, 7, 17803.	3.3	22
101	The Case Against A Randomized Trial of Unruptured Brain Arteriovenous Malformations. Stroke, 2014, 45, 2808-2810.	2.0	21
102	Neurocardiac Injury Assessed by Strain Imaging Is Associated With In-Hospital Mortality in Patients With Subarachnoid Hemorrhage. JACC: Cardiovascular Imaging, 2020, 13, 535-546.	5.3	21
103	Bioengineering solutions for neural repair and recovery in stroke. Current Opinion in Neurology, 2013, 26, 626-631.	3.6	20
104	Transcranial Focused Ultrasound Modulates the Activity of Primary Somatosensory Cortex in Humans. Neurosurgery, 2014, 74, N8-N9.	1.1	20
105	Carotid Endarterectomy With Primary Closure: Analysis of Outcomes and Review of the Literature. Neurosurgery, 2012, 70, 646-655.	1.1	19
106	Neuronal mitochondrial dysfunction in sporadic amyotrophic lateral sclerosis is developmentally regulated. Scientific Reports, 2021, 11, 18916.	3.3	19
107	Results of a national cerebrovascular neurosurgery survey on the management of cerebral vasospasm/delayed cerebral ischemia. Journal of NeuroInterventional Surgery, 2015, 7, 408-411.	3.3	18
108	Perioperative stroke after carotid endarterectomy: etiology and implications. Acta Neurochirurgica, 2016, 158, 2377-2383.	1.7	18

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109	Moving toward a gene therapy for Huntingtonâ€™s disease. Gene Therapy, 2015, 22, 931-933.	4.5	17
110	Educational Resources â€œOver the Headâ€•of Neurosurgical Patients: The Economic Impact of Inadequate Health Literacy. World Neurosurgery, 2015, 84, 1223-1226.	1.3	17
111	Integrative Mouse and Human Studies Implicate ANGPT1 and ZBTB7C as Susceptibility Genes to Ischemic Injury. Stroke, 2015, 46, 3514-3522.	2.0	17
112	Systemic antimiR-337-3p delivery inhibits cerebral ischemia-mediated injury. Neurobiology of Disease, 2017, 105, 156-163.	4.4	16
113	Somatosensory Evoked Potentials During Temporary Arterial Occlusion for Intracranial Aneurysm Surgery: Predictive Value for Perioperative Stroke. World Neurosurgery, 2017, 104, 442-451.	1.3	16
114	Risk-to-Benefit Ratio of Venous Thromboembolism Prophylaxis for Neurosurgical Procedures at a Quaternary Referral Center. Neurosurgery, 2019, 84, 355-361.	1.1	16
115	Mir-155 knockout protects against ischemia/reperfusion-induced brain injury and hemorrhagic transformation. NeuroReport, 2020, 31, 235-239.	1.2	16
116	Loss of MAT2A compromises methionine metabolism and represents a vulnerability in H3K27M mutant glioma by modulating the epigenome. Nature Cancer, 2022, 3, 629-648.	13.2	16
117	Complete nucleotide sequence of the membrane form of the human IgM heavy chain. Nucleic Acids Research, 1990, 18, 4278-4278.	14.5	15
118	Protective role of Cop in Rip2/Caspase-1/Caspase-4-mediated HeLa cell death. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2006, 1762, 742-754.	3.8	14
119	Regional Molecular Signature of the Symptomatic Atherosclerotic Carotid Plaque. Neurosurgery, 2019, 85, E284-E293.	1.1	14
120	Prediction of aneurysm rupture site by an angiographically identified bleb at the aneurysm neck. Journal of Neurosurgery, 2000, 93, 517.	1.6	13
121	Duraplasty Type as a Predictor of Meningitis and Shunting After Chiari I Decompression. World Neurosurgery, 2018, 118, e778-e783.	1.3	13
122	Urgent Treatment for Symptomatic Carotid Stenosis: The Pittsburgh Revascularization and Treatment Emergently After Stroke (PIRATES) Protocol. Neurosurgery, 2020, 87, 811-815.	1.1	13
123	Promethazine: a novel application as a neuroprotectant that reduces ischemia-mediated injury by inhibiting mitochondrial dysfunction. Clinical Neurosurgery, 2004, 51, 102-7.	0.2	13
124	Hot Topics in Research: Preventive Neuroradiology in Brain Aging and Cognitive Decline. American Journal of Neuroradiology, 2015, 36, 1803-1809.	2.4	12
125	Isolation of functionally active and highly purified neuronal mitochondria from human cortex. Journal of Neuroscience Methods, 2016, 263, 1-6.	2.5	12
126	Perioperative stroke after cerebral aneurysm clipping: Risk factors and postoperative impact. Journal of Clinical Neuroscience, 2017, 44, 188-195.	1.5	12

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127	Patient Education and Engagement Through Multimedia: A Prospective Pilot Study on Health Literacy in Patients with Cerebral Aneurysms. World Neurosurgery, 2020, 138, e819-e826.	1.3	12
128	Intraoperative Awakening for Vision Examination during Ophthalmic Artery Aneurysm Clipping: Technical Case Report. Operative Neurosurgery, 2005, 56, ONS-E440-ONS-E440.	0.8	10
129	Randomized-Controlled Trial of Minocycline for Spinal Cord Injury Shows Promise. Neurosurgery, 2013, 72, N17-N19.	1.1	10
130	Rotational Vertebral Artery Dissection Secondary to Anomalous Entrance into Transverse Foramen. World Neurosurgery, 2017, 108, 998.e1-998.e5.	1.3	10
131	The epitrigeminal approach to the brainstem. Journal of Neurosurgery, 2018, 128, 1512-1521.	1.6	10
132	Two hit mitochondrial-driven model of synapse loss in neurodegeneration. Neurobiology of Disease, 2021, 158, 105451.	4.4	10
133	Reducing Surgical Infections and Implant Costs via a Novel Paradigm of Enhanced Physician Awareness. Neurosurgery, 2018, 82, 661-669.	1.1	9
134	Cost of coils for intracranial aneurysms: clinical decision analysis for implementation of a capitation model. Journal of Neurosurgery, 2018, 128, 1792-1798.	1.6	9
135	Stenting versus Endarterectomy for Carotid-Artery Stenosis. New England Journal of Medicine, 2010, 363, 1766-1768.	27.0	8
136	Fusiform aneurysms of the lenticulostriate artery. Journal of Clinical Neuroscience, 2014, 21, 373-377.	1.5	8
137	Minocycline in Multiple Sclerosis â€" Compelling Results but Too Early to Tell. New England Journal of Medicine, 2017, 376, 2191-2193.	27.0	8
138	Regeneration of Neuromuscular Synapses. Neurosurgery, 2010, 66, N19-N20.	1.1	7
139	What Sequences on High-Field MR Best Depict Temporal Resolution of Experimental ICH and Edema Formation in Mice?. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-7.	3.0	7
140	Accessibility, reliability, and usability of neurosurgical resources. Journal of Neurosurgery, 2017, 126, 1263-1268.	1.6	7
141	Exclusive use of fixed pressure valves for cerebrospinal fluid diversion in a modern adult cohort. Heliyon, 2018, 4, e01099.	3.2	7
142	The SCFFBXO3 ubiquitin E3 ligase regulates inflammation in atherosclerosis. Journal of Molecular and Cellular Cardiology, 2019, 126, 50-59.	1.9	7
143	Reply to Ahluwalia et al.: Contributions of melatonin receptors are tissue-dependent. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1944.	7.1	6
144	Vasopressor Infusion After Subarachnoid Hemorrhage Does Not Increase Regional Cerebral Tissue Oxygenation. Journal of Neuroscience Nursing, 2018, 50, 225-230.	1.1	6

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145	Long-Term Outcomes After Carotid Endarterectomy: The Experience of an Average-Volume Surgeon. World Neurosurgery, 2018, 118, e52-e58.	1.3	6
146	Observations from Social Media Regarding the Symptomatology of Adult Hydrocephalus Patients. World Neurosurgery, 2019, 122, e307-e314.	1.3	6
147	Philanthropy Funding for Neurosurgery Research and Program Development. Neurosurgery, 2013, 73, 177-183.	1.1	5
148	Inflammation Triggered by Traumatic Brain Injury May Continue to Harm the Brain for a Lifetime. Neurosurgery, 2013, 72, N19-N20.	1.1	5
149	Intratumoral Clostridium novyi as a Potential Treatment for Solid Necrotic Brain Tumors. Neurosurgery, 2014, 75, N17-N18.	1.1	5
150	Aneurysmal subarachnoid hemorrhage with concomitant posterior communicating artery fenestration. International Journal of Neuroscience, 2015, 125, 154-158.	1.6	5
151	Cost-Effectiveness of Postoperative Ketamine in Chiari Decompression. World Neurosurgery, 2018, 110, e599-e604.	1.3	5
152	Increased Serotonin Transporter Expression in Huntingtonâ€™s Disease Patients Is Not Consistently Replicated in Murine Models. Journal of Huntington's Disease, 2019, 8, 449-457.	1.9	5
153	Pneumocephalus Associated with Pneumosinus Dilatans Frontalis. New England Journal of Medicine, 2007, 357, 1136-1136.	27.0	4
154	Genomics of Human Glioblastoma Multiforme. Neurosurgery, 2008, 63, N15.	1.1	4
155	Novel Neurogenesis Drugs Uncovered From In Vivo Chemical Library Screen. Neurosurgery, 2010, 67, N16-N18.	1.1	4
156	Embolus Extravasation. Neurosurgery, 2010, 67, N22-N23.	1.1	4
157	The Experience of Pain and the Putamen: A New Link Found With Functional MRI and Diffusion Tensor Imaging. Neurosurgery, 2011, 69, N12-N13.	1.1	4
158	Seizures and Free Radicals. Neurosurgery, 2011, 69, N12-N13.	1.1	4
159	Blocking TGF-Î² activity and Associated Inflammation May Halt Hydrocephalus. Neurosurgery, 2013, 73, N13-N14.	1.1	4
160	A brief history of early neuroanesthesia. Neurosurgical Focus, 2014, 36, E2.	2.3	4
161	Is There a Formula for Residency Selection of Future Academic Neurosurgeons?. World Neurosurgery, 2017, 105, 988-989.	1.3	4
162	Commentary: The Continuing Evolution of the Department of Neurological Surgery at the University of Pittsburgh. Neurosurgery, 2018, 82, E125-E131.	1.1	4

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163	Visual Evoked Potentials and Intraoperative Awakening in Ophthalmic Artery Sacrifice During Aneurysm Clipping: 2 Cases and Literature Review. World Neurosurgery, 2020, 139, 395-400.	1.3	4
164	Spatial convergence of distant cortical regions during folding explains why arteries do not cross the sylvian fissure. Journal of Neurosurgery, 2020, 133, 1960-1969.	1.6	4
165	Neuromodulation of the Locus Coeruleus. Neurosurgery, 2011, 68, N14-N15.	1.1	3
166	Biopsy neuropathology of cerebral ischemia associated with a developmental venous anomaly. Clinical Neurology and Neurosurgery, 2013, 115, 621-623.	1.4	3
167	Pericytes as a Therapeutic Target in Scar Formation After Spinal Cord Injury. Neurosurgery, 2013, 73, N18-N20.	1.1	3
168	Conservative Management vs Intervention for Unruptured Brain Arteriovenous Malformations. JAMA - Journal of the American Medical Association, 2014, 312, 1057.	7.4	3
169	A Quantitative Systems Pharmacology Approach to Infer Pathways Involved in Complex Disease Phenotypes. Methods in Molecular Biology, 2018, 1787, 207-222.	0.9	3
170	Increased longevity of hematopoiesis in continuous marrow cultures and radiation resistance of marrow stromal and hematopoietic progenitor cells from caspase-1 homozygous recombinant-negative (knockout) mice. In Vivo, 2013, 27, 419-30.	1.3	3
171	Alpha-1 Adrenergic Receptor Signaling Linked to Memory Dysfunction Following Brain Trauma. Neurosurgery, 2011, 68, N15-N18.	1.1	3
172	Carotid artery hemorrhage resulting from temporal bone fracture. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 1997, 18, 338-340.	1.3	2
173	Neuromotor Prosthetics. Neurosurgery, 2008, 63, N8-N9.	1.1	2
174	Diffusion Weighted Imaging: What Are We Really Seeing?. Neurosurgery, 2010, 67, N26-N29.	1.1	2
175	Battling Brain Diabetes: Antioxidants May Reduce Cognitive Deficits Induced by Cholesterol. Neurosurgery, 2011, 68, N15-N17.	1.1	2
176	Neuroprosthetic Learning Utilizes the Same Neural Circuitry Required for Motor Learning. Neurosurgery, 2012, 70, N10.	1.1	2
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