

Jonathan P Miller

List of Publications by Year in descending order

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46
papers

1,816
citations

361045

20
h-index

276539

41
g-index

50
all docs

50
docs citations

50
times ranked

2917
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoration of reaching and grasping movements through brain-controlled muscle stimulation in a person with tetraplegia: a proof-of-concept demonstration. <i>Lancet, The</i> , 2017, 389, 1821-1830.	6.3	632
2	Parameters of Spinal Cord Stimulation and Their Role in Electrical Charge Delivery: A Review. <i>Neuromodulation</i> , 2016, 19, 373-384.	0.4	171
3	Hippocampal Neurophysiologic Changes after Mild Traumatic Brain Injury and Potential Neuromodulation Treatment Approaches. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 8.	1.2	92
4	Auditory Brainstem Implants: Recent Progress and Future Perspectives. <i>Frontiers in Neuroscience</i> , 2019, 13, 10.	1.4	58
5	Cortical Structures Associated With Human Blood Pressure Control. <i>JAMA Neurology</i> , 2018, 75, 194.	4.5	52
6	Paresthesia-Free High-Density Spinal Cord Stimulation for Postlaminectomy Syndrome in a Prescreened Population: A Prospective Case Series. <i>Neuromodulation</i> , 2016, 19, 260-267.	0.4	51
7	Pain Relief after Cervical Ganglionectomy (C ₂ and C ₃) for the Treatment of Medically Intractable Occipital Neuralgia. <i>Stereotactic and Functional Neurosurgery</i> , 2008, 86, 106-112.	0.8	50
8	Role of ictal baseline shifts and ictal high-frequency oscillations in stereo-electroencephalography analysis of mesial temporal lobe seizures. <i>Epilepsia</i> , 2014, 55, 690-698.	2.6	46
9	Limbic and paralimbic structures driving ictal central apnea. <i>Neurology</i> , 2019, 92, e655-e669.	1.5	46
10	Evolution in the Treatment of Psychiatric Disorders: From Psychosurgery to Psychopharmacology to Neuromodulation. <i>Frontiers in Neuroscience</i> , 2019, 13, 108.	1.4	42
11	Staged Gamma Knife Radiosurgery after Tailored Surgical Resection. <i>Stereotactic and Functional Neurosurgery</i> , 2009, 87, 31-36.	0.8	41
12	Radiosurgery for Glomus Jugulare Tumors. <i>Otolaryngologic Clinics of North America</i> , 2009, 42, 689-706.	0.5	33
13	Computer-assisted planning for the insertion of stereo-electroencephalography electrodes for the investigation of drug-resistant focal epilepsy: an external validation study. <i>Journal of Neurosurgery</i> , 2018, , 1-10.	0.9	33
14	The p53 inactivators pifithrin-1/4 and pifithrin-1± mitigate TBI-induced neuronal damage through regulation of oxidative stress, neuroinflammation, autophagy and mitophagy. <i>Experimental Neurology</i> , 2020, 324, 113135.	2.0	33
15	Degree of distal trigeminal nerve atrophy predicts outcome after microvascular decompression for Type 1a trigeminal neuralgia. <i>Journal of Neurosurgery</i> , 2015, 123, 1512-1518.	0.9	27
16	Critique of the 2017 epileptic seizure and epilepsy classifications. <i>Epilepsia</i> , 2019, 60, 1032-1039.	2.6	26
17	Motor Cortex Stimulation for Chronic Pain. <i>Neurosurgery Clinics of North America</i> , 2014, 25, 693-698.	0.8	24
18	Contributions of Subsurface Cortical Modulations to Discrimination of Executed and Imagined Grasp Forces through Stereo-electroencephalography. <i>PLoS ONE</i> , 2016, 11, e0150359.	1.1	22

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19	Decreased bursting and novel object-specific cell firing in the hippocampus after mild traumatic brain injury. <i>Brain Research</i> , 2014, 1582, 220-226.	1.1	21
20	Post-Injury Neuroprotective Effects of the Thalidomide Analog 3,6- ² -Dithiothalidomide on Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2019, 20, 502.	1.8	21
21	Effect of Dural Substitute and Technique on Cranioplasty Operative Metrics: A Systematic Literature Review. <i>World Neurosurgery</i> , 2018, 119, 282-289.	0.7	20
22	Rethinking the indications for the ventriculoperitoneal shunt tap. <i>Journal of Neurosurgery: Pediatrics</i> , 2008, 1, 435-438.	0.8	18
23	Comparison of Ray Tracing and Monte Carlo Calculation Algorithms for Thoracic Spine Lesions Treated With CyberKnife-Based Stereotactic Body Radiation Therapy. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, 196-202.	0.8	18
24	Computational Modeling and Neuroimaging Techniques for Targeting during Deep Brain Stimulation. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 71.	0.9	16
25	Implementation of a "Flipped Classroom" for Neurosurgery Resident Education. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 76-82.	0.3	16
26	Surgery for epilepsy in the primary motor cortex: A critical review. <i>Epilepsy and Behavior</i> , 2019, 91, 13-19.	0.9	16
27	Neural Representation of Observed, Imagined, and Attempted Grasping Force in Motor Cortex of Individuals with Chronic Tetraplegia. <i>Scientific Reports</i> , 2020, 10, 1429.	1.6	16
28	Intensity Modulation: A Novel Approach to Percept Control in Spinal Cord Stimulation. <i>Neuromodulation</i> , 2016, 19, 254-259.	0.4	15
29	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on Neuroablative Procedures for Patients With Cancer Pain. <i>Neurosurgery</i> , 2021, 88, 437-442.	0.6	14
30	White matter stimulation for the treatment of epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016, 37, 28-31.	0.9	13
31	Multiple hippocampal transections for intractable hippocampal epilepsy: Seizure outcome. <i>Epilepsy and Behavior</i> , 2016, 58, 86-90.	0.9	12
32	Incidence, Management, and Outcome of Symptomatic Postoperative Posterior Fossa Pseudomeningocele. <i>Operative Neurosurgery</i> , 2016, 12, 298-304.	0.4	11
33	A novel use of the NeuroBlate SideFire probe for minimally invasive disconnection of a hypothalamic hamartoma in a child with gelastic seizures. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 21, 302-307.	0.8	11
34	Potential Deep Brain Stimulation Targets for the Management of Refractory Hypertension. <i>Frontiers in Neuroscience</i> , 2019, 13, 93.	1.4	11
35	Rare Neurosurgical Complications of Epidural Injections: An 8-Yr Single-Institution Experience. <i>Operative Neurosurgery</i> , 2017, 13, 271-279.	0.4	10
36	Connectivity-based identification of a potential neurosurgical target for mood disorders. <i>Journal of Psychiatric Research</i> , 2020, 125, 113-120.	1.5	7

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37	Pharmacoresistant epilepsy in hypomelanosis of Ito: Palliative surgical treatment with modified anatomic posterior quadrant resection. <i>Clinical Neurology and Neurosurgery</i> , 2014, 123, 15-17.	0.6	6
38	Stereotacticâ€“EEGâ€“guided radiofrequency multiple hippocampal transection (SEEGâ€“guidedâ€“RFâ€“MHT) for the treatment of mesial temporal lobe epilepsy: a minimally invasive method for diagnosis and treatment. <i>Epileptic Disorders</i> , 2021, 23, 682-694.	0.7	6
39	Clinical Evaluation of Cingulum Bundle Connectivity for Neurosurgical Hypothesis Development. <i>Neurosurgery</i> , 2020, 86, 724-735.	0.6	5
40	Commentary: The Emerging Role of Biomarkers in Adaptive Modulation of Clinical Brain Stimulation. <i>Neurosurgery</i> , 2019, 85, E440-E441.	0.6	4
41	Facial Sensory Restoration After Trigeminal Sensory Rhizotomy by Collateral Sprouting From the Occipital Nerves. <i>Neurosurgery</i> , 2020, 86, E436-E441.	0.6	3
42	A case report of a Wada test after dominant hemisphere multiple hippocampal transections: Pathophysiology of confusion after amobarbital injection. <i>Epilepsy & Behavior Case Reports</i> , 2014, 2, 130-132.	1.5	1
43	The Reconnecting the Hand and Arm with Brain (ReHAB) Commentary on â€œAn Integrated Brain-Machine Interface Platform With Thousands of Channelsâ€• <i>Journal of Medical Internet Research</i> , 2019, 21, e16339.	2.1	1
44	Cingulum bundle connectivity in treatment-refractory compared to treatment-responsive patients with bipolar disorder and healthy controls: a tractography and surgical targeting analysis. <i>Journal of Neurosurgery</i> , 2022, 137, 709-721.	0.9	1
45	In Reply to â€œDural Substitutes and Presstitutesâ€”the FINAL Wordâ€• <i>World Neurosurgery</i> , 2019, 127, 667.	0.7	0
46	Editorial. <i>Journal of Neurosurgery</i> , 2009, , 100612030654069-2.	0.9	0