

Svjetlana Miocinovic

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.

49
papers

2,718
citations

24
h-index

50
g-index

50
ext. papers

3,333
ext. citations

4.6
avg, IF

5.1
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 49 | Novel approaches for quantifying beta synchrony in Parkinson's disease.. <i>Experimental Brain Research</i> , 2022 , 1 | 2.3 | 0 |
| 48 | Slow Wave Sleep and EEG Delta Spectral Power are Associated with Cognitive Function in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2021 , 11, 703-714 | 5.3 | 3 |
| 47 | Multi-objective data-driven optimization for improving deep brain stimulation in Parkinson's disease. <i>Journal of Neural Engineering</i> , 2021 , 18, | 5 | 1 |
| 46 | Image-based biophysical modeling predicts cortical potentials evoked with subthalamic deep brain stimulation. <i>Brain Stimulation</i> , 2021 , 14, 549-563 | 5.1 | 6 |
| 45 | Patient-Reported Outcomes Measurement Information System (PROMIS) Assessment of Non-Motor Features in Deep Brain Stimulation Candidates: Relationship to the Beck Depression and Anxiety Inventories. <i>Archives of Clinical Neuropsychology</i> , 2021 , 36, 632-637 | 2.7 | 3 |
| 44 | Letter: Evaluation and Surgical Treatment of Functional Neurosurgery Patients With Implanted Deep Brain Stimulation and Vagus Nerve Stimulation Pulse Generators During the COVID-19 Pandemic. <i>Neurosurgery</i> , 2020 , 87, E222-E226 | 3.2 | 7 |
| 43 | Combined occurrence of deleterious TOR1A and ANO3 variants in isolated generalized dystonia. <i>Parkinsonism and Related Disorders</i> , 2020 , 73, 55-56 | 3.6 | |
| 42 | Recommendations for Deep Brain Stimulation Device Management During a Pandemic. <i>Journal of Parkinson's Disease</i> , 2020 , 10, 903-910 | 5.3 | 25 |
| 41 | Cerebellar Deep Brain Stimulation for Acquired Hemidystonia. <i>Movement Disorders Clinical Practice</i> , 2020 , 7, 188-193 | 2.2 | 16 |
| 40 | Surgical Treatment of Parkinson's Disease: Devices and Lesion Approaches. <i>Neurotherapeutics</i> , 2020 , 17, 1525-1538 | 6.4 | 5 |
| 39 | Clinical outcomes of globus pallidus deep brain stimulation for Parkinson disease: a comparison of intraoperative MRI- and MER-guided lead placement. <i>Journal of Neurosurgery</i> , 2020 , 134, 1072-1082 | 3.2 | 6 |
| 38 | Effect of levodopa on electroencephalographic biomarkers of the parkinsonian state. <i>Journal of Neurophysiology</i> , 2019 , 122, 290-299 | 3.2 | 17 |
| 37 | Pallidal thermolesion unleashes gamma oscillations in the motor cortex in Parkinson's disease. <i>Movement Disorders</i> , 2019 , 34, 903-911 | 7 | 9 |
| 36 | Towards automated patient-specific optimization of deep brain stimulation for movement disorders. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 6159-6162 | 0.9 | 2 |
| 35 | Pallidal Deep-Brain Stimulation Disrupts Pallidal Beta Oscillations and Coherence with Primary Motor Cortex in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2018 , 38, 4556-4568 | 6.6 | 67 |
| 34 | Cortical gamma oscillations in isolated dystonia. <i>Parkinsonism and Related Disorders</i> , 2018 , 49, 104-105 | 3.6 | 18 |
| 33 | Chronic multisite brain recordings from a totally implantable bidirectional neural interface: experience in 5 patients with Parkinson's disease. <i>Journal of Neurosurgery</i> , 2018 , 128, 605-616 | 3.2 | 72 |

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| 32 | Adaptive deep brain stimulation for Parkinson's disease using motor cortex sensing. <i>Journal of Neural Engineering</i> , 2018 , 15, 046006 | 5 | 185 |
| 31 | Chronic deep brain stimulation normalizes scalp EEG activity in isolated dystonia. <i>Clinical Neurophysiology</i> , 2018 , 129, 368-376 | 4.3 | 14 |
| 30 | Cortical Potentials Evoked by Subthalamic Stimulation Demonstrate a Short Latency Hyperdirect Pathway in Humans. <i>Journal of Neuroscience</i> , 2018 , 38, 9129-9141 | 6.6 | 55 |
| 29 | Automated Deep Brain Stimulation Programming for Tremor. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 1618-1625 | 4.8 | 19 |
| 28 | Intraoperative electrocorticography for physiological research in movement disorders: principles and experience in 200 cases. <i>Journal of Neurosurgery</i> , 2017 , 126, 122-131 | 3.2 | 37 |
| 27 | Clinical Tremor Severity Estimation Using an Instrumented Eating Utensil. <i>Journal of Parkinson's Disease</i> , 2017 , 7, 755-759 | 5.3 | 1 |
| 26 | Neurofeedback Control in Parkinsonian Patients Using Electrocorticography Signals Accessed Wirelessly With a Chronic, Fully Implanted Device. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 1715-1724 | 4.8 | 22 |
| 25 | Comparison of Globus Pallidus Interna and Subthalamic Nucleus in Deep Brain Stimulation for Parkinson Disease: An Institutional Experience and Review. <i>Parkinson's Disease</i> , 2017 , 2017, 3410820 | 2.6 | 12 |
| 24 | Subthalamic local field potentials in Parkinson's disease and isolated dystonia: An evaluation of potential biomarkers. <i>Neurobiology of Disease</i> , 2016 , 89, 213-22 | 7.5 | 63 |
| 23 | Gamma Oscillations in the Hyperkinetic State Detected with Chronic Human Brain Recordings in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2016 , 36, 6445-58 | 6.6 | 157 |
| 22 | Electrocorticography reveals beta desynchronization in the basal ganglia-cortical loop during rest tremor in Parkinson's disease. <i>Neurobiology of Disease</i> , 2016 , 86, 177-86 | 7.5 | 57 |
| 21 | Cystic Lesions as a Rare Complication of Deep Brain Stimulation. <i>Movement Disorders Clinical Practice</i> , 2016 , 3, 87-90 | 2.2 | 4 |
| 20 | Patterns of Cortical Synchronization in Isolated Dystonia Compared With Parkinson Disease. <i>JAMA Neurology</i> , 2015 , 72, 1244-51 | 17.2 | 37 |
| 19 | Interictal high-frequency oscillations (HFOs) as predictors of high frequency and conventional seizure onset zones. <i>Epileptic Disorders</i> , 2015 , 17, 413-24 | 1.9 | 10 |
| 18 | Neuromyelitis Optica Spectrum Disorder Associated With Autoimmune Hemolytic Anemia and Lymphoma. <i>Neurologist</i> , 2015 , 20, 33-4 | 1.6 | 9 |
| 17 | Task-related activity in sensorimotor cortex in Parkinson's disease and essential tremor: changes in beta and gamma bands. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 512 | 3.3 | 36 |
| 16 | Automated gait and balance parameters diagnose and correlate with severity in Parkinson disease. <i>Journal of the Neurological Sciences</i> , 2014 , 345, 131-8 | 3.2 | 48 |
| 15 | Outcomes, management, and potential mechanisms of interleaving deep brain stimulation settings. <i>Parkinsonism and Related Disorders</i> , 2014 , 20, 1434-7 | 3.6 | 37 |

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|----|---|------|-----|
| 14 | History, applications, and mechanisms of deep brain stimulation. <i>JAMA Neurology</i> , 2013 , 70, 163-71 | 17.2 | 328 |
| 13 | Dissociation of motor symptoms during deep brain stimulation of the subthalamic nucleus in the region of the internal capsule. <i>Experimental Neurology</i> , 2011 , 228, 294-7 | 5.7 | 34 |
| 12 | Current-controlled deep brain stimulation reduces in vivo voltage fluctuations observed during voltage-controlled stimulation. <i>Clinical Neurophysiology</i> , 2010 , 121, 2128-33 | 4.3 | 85 |
| 11 | In vivo impedance spectroscopy of deep brain stimulation electrodes. <i>Journal of Neural Engineering</i> , 2009 , 6, 046001 | 5 | 158 |
| 10 | Experimental and theoretical characterization of the voltage distribution generated by deep brain stimulation. <i>Experimental Neurology</i> , 2009 , 216, 166-76 | 5.7 | 124 |
| 9 | Pallidal burst activity during therapeutic deep brain stimulation. <i>Experimental Neurology</i> , 2008 , 211, 243-51 | 5.7 | 71 |
| 8 | Mechanisms and targets of deep brain stimulation in movement disorders. <i>Neurotherapeutics</i> , 2008 , 5, 294-308 | 6.4 | 223 |
| 7 | Mechanisms of Deep Brain Stimulation 2008 , 151-177 | | 1 |
| 6 | Stereotactic neurosurgical planning, recording, and visualization for deep brain stimulation in non-human primates. <i>Journal of Neuroscience Methods</i> , 2007 , 162, 32-41 | 3 | 55 |
| 5 | Computational analysis of deep brain stimulation. <i>Expert Review of Medical Devices</i> , 2007 , 4, 615-22 | 3.5 | 44 |
| 4 | Computational analysis of subthalamic nucleus and lenticular fasciculus activation during therapeutic deep brain stimulation. <i>Journal of Neurophysiology</i> , 2006 , 96, 1569-80 | 3.2 | 241 |
| 3 | Temporal excitation properties of paresthesias evoked by thalamic microstimulation. <i>Clinical Neurophysiology</i> , 2005 , 116, 1227-34 | 4.3 | 21 |
| 2 | Sensitivity of temporal excitation properties to the neuronal element activated by extracellular stimulation. <i>Journal of Neuroscience Methods</i> , 2004 , 132, 91-9 | 3 | 24 |
| 1 | Deep brain stimulation creates an informational lesion of the stimulated nucleus. <i>NeuroReport</i> , 2004 , 15, 1137-40 | 1.7 | 247 |