

Matthew N Petrucci

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

232
citations

1040056

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all docs

20
docs citations

20
times ranked

259
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Neural closed-loop deep brain stimulation for freezing of gait. <i>Brain Stimulation</i> , 2020, 13, 1320-1322. | 1.6 | 38 |
| 2 | Concurrent stimulation and sensing in bi-directional brain interfaces: a multi-site translational experience. <i>Journal of Neural Engineering</i> , 2022, 19, 026025. | 3.5 | 28 |
| 3 | Perspective: Evolution of Control Variables and Policies for Closed-Loop Deep Brain Stimulation for Parkinson's Disease Using Bidirectional Deep-Brain-Computer Interfaces. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 353. | 2.0 | 25 |
| 4 | Morphological changes in the subthalamic nucleus of people with mild-to-moderate Parkinson's disease: a 7T MRI study. <i>Scientific Reports</i> , 2020, 10, 8785. | 3.3 | 17 |
| 5 | REM sleep without atonia is associated with increased rigidity in patients with mild to moderate Parkinson's disease. <i>Clinical Neurophysiology</i> , 2020, 131, 2008-2016. | 1.5 | 15 |
| 6 | Lack of progression of beta dynamics after long-term subthalamic neurostimulation. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 2110-2120. | 3.7 | 15 |
| 7 | Differential Effects of Pathological Beta Burst Dynamics Between Parkinson's Disease Phenotypes Across Different Movements. <i>Frontiers in Neuroscience</i> , 2021, 15, 733203. | 2.8 | 15 |
| 8 | Semi-automated approaches to optimize deep brain stimulation parameters in Parkinson's disease. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 83. | 4.6 | 13 |
| 9 | A Closed-loop Deep Brain Stimulation Approach for Mitigating Burst Durations in People with Parkinson's Disease. , 2020, 2020, 3617-3620. | | 12 |
| 10 | REM Sleep Without Atonia and Gait Impairment in People with Mild-to-Moderate Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2021, 11, 767-778. | 2.8 | 9 |
| 11 | Modulation of anticipatory postural adjustments of gait using a portable powered ankle-foot orthosis. , 2013, 2013, 6650450. | | 8 |
| 12 | A Neuromechanical Model of Reduced Dorsiflexor Torque During the Anticipatory Postural Adjustments of Gait Initiation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 2210-2216. | 4.9 | 7 |
| 13 | Quantitative Digitography Measures Motor Symptoms and Disease Progression in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, 1979-1990. | 2.8 | 7 |
| 14 | White matter microstructure in Parkinson's disease with and without elevated rapid eye movement sleep muscle tone. <i>Brain Communications</i> , 2022, 4, fcac027. | 3.3 | 3 |
| 15 | Modulation of Beta Oscillations in the Pallidum During Externally Cued Gait. <i>Frontiers in Signal Processing</i> , 0, 2, . | 1.7 | 0 |