

Hayriye Cagnan

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,635
citations

331670

21
h-index

361022

35
g-index

50
all docs

50
docs citations

50
times ranked

2692
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulating at the right time to recover network states in a model of the cortico-basal ganglia-thalamic circuit. PLoS Computational Biology, 2022, 18, e1009887.	3.2	12
2	Towards phenotype-specific, non-invasive therapeutic interventions for tremor. Clinical Neurophysiology, 2022, , .	1.5	1
3	Inference of brain networks with approximate Bayesian computation â€“ assessing face validity with an example application in Parkinsonism. NeuroImage, 2021, 236, 118020.	4.2	8
4	Essential tremor amplitude modulation by median nerve stimulation. Scientific Reports, 2021, 11, 17720.	3.3	12
5	Identifying and modulating distinct tremor states through peripheral nerve stimulation in Parkinsonian rest tremor. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 179.	4.6	1
6	Entraining Stepping Movements of Parkinson's Patients to Alternating Subthalamic Nucleus Deep Brain Stimulation. Journal of Neuroscience, 2020, 40, 8964-8972.	3.6	12
7	Comparing dynamic causal models of neurovascular coupling with fMRI and EEG/MEG. NeuroImage, 2020, 216, 116734.	4.2	31
8	Phase-dependence of response curves to deep brain stimulation and their relationship: from essential tremor patient data to a Wilsonâ€™Cowan model. Journal of Mathematical Neuroscience, 2020, 10, 4.	2.4	27
9	Temporal evolution of beta bursts in the parkinsonian cortical and basal ganglia network. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16095-16104.	7.1	98
10	Emerging technologies for improved deep brain stimulation. Nature Biotechnology, 2019, 37, 1024-1033.	17.5	164
11	Predicting the effects of deep brain stimulation using a reduced coupled oscillator model. PLoS Computational Biology, 2019, 15, e1006575.	3.2	41
12	A guide to group effective connectivity analysis, part 2: Second level analysis with PEB. NeuroImage, 2019, 200, 12-25.	4.2	267
13	Dynamic Causal Modelling of Active Vision. Journal of Neuroscience, 2019, 39, 6265-6275.	3.6	15
14	Thalamocortical dynamics underlying spontaneous transitions in beta power in Parkinsonism. NeuroImage, 2019, 193, 103-114.	4.2	21
15	Phase-Dependent Suppression of Beta Oscillations in Parkinson's Disease Patients. Journal of Neuroscience, 2019, 39, 1119-1134.	3.6	89
16	Dynamic causal modelling revisited. NeuroImage, 2019, 199, 730-744.	4.2	196
17	Adaptive Brain Stimulation for Movement Disorders. Progress in Neurological Surgery, 2018, 33, 230-242.	1.3	12
18	Recent Trends in the Use of Electrical Neuromodulation in Parkinsonâ€™s Disease. Current Behavioral Neuroscience Reports, 2018, 5, 170-178.	1.3	20

#	ARTICLE	IF	CITATIONS
19	A functional micro-electrode mapping of ventral thalamus in essential tremor. <i>Brain</i> , 2018, 141, 2644-2654.	7.6	13
20	Generic dynamic causal modelling: An illustrative application to Parkinson's disease. <i>NeuroImage</i> , 2018, 181, 818-830.	4.2	41
21	Tremor stability index: a new tool for differential diagnosis in tremor syndromes. <i>Brain</i> , 2017, 140, 1977-1986.	7.6	103
22	Adaptive Deep Brain Stimulation for Movement Disorders: The Long Road to Clinical Therapy. <i>Movement Disorders</i> , 2017, 32, 810-819.	3.9	164
23	Stimulating at the right time: phase-specific deep brain stimulation. <i>Brain</i> , 2017, 140, 132-145.	7.6	213
24	Adaptive deep brain stimulation for Parkinson's disease demonstrates reduced speech side effects compared to conventional stimulation in the acute setting. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 1388-1389.	1.9	199
25	Bilateral adaptive deep brain stimulation is effective in Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 717-721.	1.9	269
26	Analysis of Oscillatory Neural Activity in Series Network Models of Parkinson's Disease During Deep Brain Stimulation. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 86-96.	4.2	24
27	The relative phases of basal ganglia activities dynamically shape effective connectivity in Parkinson's disease. <i>Brain</i> , 2015, 138, 1667-1678.	7.6	72
28	Inertial-based control system concepts for the treatment of movement disorders. , 2015, 18, 70-73.		6
29	Distinguishing the Central Drive to Tremor in Parkinson's Disease and Essential Tremor. <i>Journal of Neuroscience</i> , 2015, 35, 795-806.	3.6	68
30	The nature of tremor circuits in parkinsonian and essential tremor. <i>Brain</i> , 2014, 137, 3223-3234.	7.6	90
31	Co-modulation of finely tuned high-gamma band activity across hemispheres in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2014, 125, 777-785.	1.5	8
32	Phase dependent modulation of tremor amplitude in essential tremor through thalamic stimulation. <i>Brain</i> , 2013, 136, 3062-3075.	7.6	80
33	Basal ganglia-cortical interactions in Parkinsonian patients. <i>NeuroImage</i> , 2013, 66, 301-310.	4.2	73
34	Analysis of a fourth order model of neural synchrony and applied stimulation using control theory. , 2013, , .		0
35	Does suppression of oscillatory synchronisation mediate some of the therapeutic effects of DBS in patients with Parkinson's disease?. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 47.	2.1	90
36	Automatic subthalamic nucleus detection from microelectrode recordings based on noise level and neuronal activity. <i>Journal of Neural Engineering</i> , 2011, 8, 046006.	3.5	39

#	ARTICLE	IF	CITATIONS
37	Frequency-selectivity of a thalamocortical relay neuron during Parkinson's disease and deep brain stimulation: a computational study. <i>European Journal of Neuroscience</i> , 2009, 30, 1306-1317.	2.6	32