Hayriye Cagnan

List of Publications by Year
in descending order

37	2,635	331670	361022
papers	citations	21	35
		h-index	g-index

50	50	50	2692
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Bilateral adaptive deep brain stimulation is effective in Parkinson's disease. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 717-721.	1.9	269
2	A guide to group effective connectivity analysis, part 2: Second level analysis with PEB. NeuroImage, 2019, 200, 12-25.	4.2	267
3	Stimulating at the right time: phase-specific deep brain stimulation. Brain, 2017, 140, 132-145.	7.6	213
4	Adaptive deep brain stimulation for Parkinson's disease demonstrates reduced speech side effects compared to conventional stimulation in the acute setting. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1388-1389.	1.9	199
5	Dynamic causal modelling revisited. NeuroImage, 2019, 199, 730-744.	4.2	196
6	Adaptive Deep Brain Stimulation for Movement Disorders: The Long Road to Clinical Therapy. Movement Disorders, 2017, 32, 810-819.	3.9	164
7	Emerging technologies for improved deep brain stimulation. Nature Biotechnology, 2019, 37, 1024-1033.	17.5	164
8	Tremor stability index: a new tool for differential diagnosis in tremor syndromes. Brain, 2017, 140, 1977-1986.	7.6	103
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	Does suppression of oscillatory synchronisation mediate some of the therapeutic effects of DBS in patients with Parkinson's disease?. Frontiers in Integrative Neuroscience, 2012, 6, 47.	2.1	90
11	The nature of tremor circuits in parkinsonian and essential tremor. Brain, 2014, 137, 3223-3234.	7.6	90
12	Phase-Dependent Suppression of Beta Oscillations in Parkinson's Disease Patients. Journal of Neuroscience, 2019, 39, 1119-1134.	3.6	89
13	Phase dependent modulation of tremor amplitude in essential tremor through thalamic stimulation. Brain, 2013, 136, 3062-3075.	7.6	80
14	Basal gangliaâ€"cortical interactions in Parkinsonian patients. NeuroImage, 2013, 66, 301-310.	4.2	73
15	The relative phases of basal ganglia activities dynamically shape effective connectivity in Parkinson's disease. Brain, 2015, 138, 1667-1678.	7.6	72
16	Distinguishing the Central Drive to Tremor in Parkinson's Disease and Essential Tremor. Journal of Neuroscience, 2015, 35, 795-806.	3.6	68
17	Generic dynamic causal modelling: An illustrative application to Parkinson's disease. NeuroImage, 2018, 181, 818-830.	4.2	41
18	Predicting the effects of deep brain stimulation using a reduced coupled oscillator model. PLoS Computational Biology, 2019, 15, e1006575.	3.2	41

#	Article	IF	Citations
19	Automatic subthalamic nucleus detection from microelectrode recordings based on noise level and neuronal activity. Journal of Neural Engineering, 2011, 8, 046006.	3.5	39
20	Frequencyâ€selectivity of a thalamocortical relay neuron during Parkinsonâ€™s disease and deep brain stimulation: a computational study. European Journal of Neuroscience, 2009, 30, 1306-1317.	2.6	32
21	Comparing dynamic causal models of neurovascular coupling with fMRI and EEG/MEG. NeuroImage, 2020, 216, 116734.	4.2	31
22	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
23	Analysis of Oscillatory Neural Activity in Series Network Models of Parkinson's Disease During Deep Brain Stimulation. IEEE Transactions on Biomedical Engineering, 2016, 63, 86-96.	4.2	24
24	Thalamocortical dynamics underlying spontaneous transitions in beta power in Parkinsonism. NeuroImage, 2019, 193, 103-114.	4.2	21
25	Recent Trends in the Use of Electrical Neuromodulation in Parkinsonâ€™s Disease. Current Behavioral Neuroscience Reports, 2018, 5, 170-178.	1.3	20
26	Dynamic Causal Modelling of Active Vision. Journal of Neuroscience, 2019, 39, 6265-6275.	3.6	15
27	A functional micro-electrode mapping of ventral thalamus in essential tremor. Brain, 2018, 141, 2644-2654.	7.6	13
28	Adaptive Brain Stimulation for Movement Disorders. Progress in Neurological Surgery, 2018, 33, 230-242.	1.3	12
29	Entraining Stepping Movements of Parkinson's Patients to Alternating Subthalamic Nucleus Deep Brain Stimulation. Journal of Neuroscience, 2020, 40, 8964-8972.	3.6	12
30	Essential tremor amplitude modulation by median nerve stimulation. Scientific Reports, 2021, 11, 17720.	3.3	12
31	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
32	Co-modulation of finely tuned high-gamma band activity across hemispheres in Parkinsonâ€™s disease. Clinical Neurophysiology, 2014, 125, 777-785.	1.5	8
33	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
34	Inertial-based control system concepts for the treatment of movement disorders. , 2015, 18, 70-73.		6
35	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
36	Towards phenotype-specific, non-invasive therapeutic interventions for tremor. Clinical Neurophysiology, 2022, , .	1.5	1

#	Article	IF	Citations
37	Analysis of a fourth order model of neural synchrony and applied stimulation using control theory. , 2013, , .		0