

Till Anselm Dembek

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,316
citations

304743

22
h-index

243625

44
g-index

66
all docs

66
docs citations

66
times ranked

2087
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead-DBS v2: Towards a comprehensive pipeline for deep brain stimulation imaging. <i>NeuroImage</i> , 2019, 184, 293-316.	4.2	527
2	Directional DBS increases sideâ€effect thresholdsâ€”A prospective, doubleâ€blind trial. <i>Movement Disorders</i> , 2017, 32, 1380-1388.	3.9	194
3	Probabilistic sweet spots predict motor outcome for deep brain stimulation in Parkinson disease. <i>Annals of Neurology</i> , 2019, 86, 527-538.	5.3	129
4	DBS of the PSA and the VIM in essential tremor. <i>Neurology</i> , 2018, 91, e543-e550.	1.1	115
5	Probabilistic mapping of deep brain stimulation effects in essential tremor. <i>NeuroImage: Clinical</i> , 2017, 13, 164-173.	2.7	91
6	Non-motor outcomes depend on location of neurostimulation in Parkinsonâ€™s disease. <i>Brain</i> , 2019, 142, 3592-3604.	7.6	90
7	Individualized current-shaping reduces DBS-induced dysarthria in patients with essential tremor. <i>Neurology</i> , 2014, 82, 614-619.	1.1	76
8	Nonmotor symptoms evolution during 24 months of bilateral subthalamic stimulation in Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 421-430.	3.9	69
9	DiODE: Directional Orientation Detection of Segmented Deep Brain Stimulation Leads: A Sequential Algorithm Based on CT Imaging. <i>Stereotactic and Functional Neurosurgery</i> , 2018, 96, 335-341.	1.5	64
10	Subjectively perceived personality and mood changes associated with subthalamic stimulation in patients with Parkinson's disease. <i>Psychological Medicine</i> , 2015, 45, 73-85.	4.5	57
11	Determining the orientation angle of directional leads for deep brain stimulation using computed tomography and digital x-ray imaging: A phantom study. <i>Medical Physics</i> , 2017, 44, 4463-4473.	3.0	53
12	Non-motor outcomes of subthalamic stimulation in Parkinson's disease depend on location of active contacts. <i>Brain Stimulation</i> , 2018, 11, 904-912.	1.6	53
13	Directional DBS leads show large deviations from their intended implantation orientation. <i>Parkinsonism and Related Disorders</i> , 2019, 67, 117-121.	2.2	52
14	Deep Brain Stimulation for Freezing of Gait in Parkinson's Disease With Early Motor Complications. <i>Movement Disorders</i> , 2020, 35, 82-90.	3.9	43
15	PSA and VIM DBS efficiency in essential tremor depends on distance to the dentatorubrothalamic tract. <i>NeuroImage: Clinical</i> , 2020, 26, 102235.	2.7	42
16	Ageing changes effective connectivity of motor networks during bimanual finger coordination. <i>NeuroImage</i> , 2016, 143, 325-342.	4.2	40
17	Quality of life outcome after subthalamic stimulation in Parkinson's disease depends on age. <i>Movement Disorders</i> , 2018, 33, 99-107.	3.9	39
18	Subjective perceived outcome of subthalamic deep brain stimulation in Parkinson's disease one year after surgery. <i>Parkinsonism and Related Disorders</i> , 2016, 24, 41-47.	2.2	36

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19	The Effect of Deep Brain Stimulation on the Speech Motor System. <i>Journal of Speech, Language, and Hearing Research</i> , 2014, 57, 1206-1218.	1.6	32
20	The effects of Thalamic Deep Brain Stimulation on speech dynamics in patients with Essential Tremor: An articulographic study. <i>PLoS ONE</i> , 2018, 13, e0191359.	2.5	32
21	Directional deep brain stimulation: A case of avoiding dysarthria with bipolar directional current steering. <i>Parkinsonism and Related Disorders</i> , 2016, 31, 156-158.	2.2	28
22	Evaluation of Spike Sorting Algorithms: Application to Human Subthalamic Nucleus Recordings and Simulations. <i>Neuroscience</i> , 2019, 414, 168-185.	2.3	26
23	Effects of deep brain stimulation on prepulse inhibition in obsessive-compulsive disorder. <i>Translational Psychiatry</i> , 2015, 5, e675-e675.	4.8	25
24	Noninvasive Continuous Monitoring of Vital Signs With Wearables: Fit for Medical Use?. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 34-43.	2.2	24
25	Potentials and Limitations of Directional Deep Brain Stimulation: A Simulation Approach. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 65-74.	1.5	24
26	Beneficial effects of bilateral subthalamic stimulation on alexithymia in Parkinson's disease. <i>European Journal of Neurology</i> , 2019, 26, 222.	3.3	22
27	Sweetspot Mapping in Deep Brain Stimulation: Strengths and Limitations of Current Approaches. <i>Neuromodulation</i> , 2022, 25, 877-887.	0.8	22
28	The Effect of Uni- and Bilateral Thalamic Deep Brain Stimulation on Speech in Patients With Essential Tremor: Acoustics and Intelligibility. <i>Neuromodulation</i> , 2017, 20, 223-232.	0.8	20
29	Dopamine substitution alters effective connectivity of cortical prefrontal, premotor, and motor regions during complex bimanual finger movements in Parkinson's disease. <i>NeuroImage</i> , 2019, 190, 118-132.	4.2	20
30	Bipolar Directional Deep Brain Stimulation in Essential and Parkinsonian Tremor. <i>Neuromodulation</i> , 2020, 23, 543-549.	0.8	20
31	<sc>StimFit</sc> A Data-Driven Algorithm for Automated Deep Brain Stimulation Programming. <i>Movement Disorders</i> , 2022, 37, 574-584.	3.9	20
32	Deep brain stimulation and cognitive decline in Parkinson's disease: The predictive value of electroencephalography. <i>Journal of Neurology</i> , 2015, 262, 2275-2284.	3.6	18
33	Probabilistic Mapping Reveals Optimal Stimulation Site in Essential Tremor. <i>Annals of Neurology</i> , 2022, 91, 602-612.	5.3	18
34	Dysarthria in pallidal Deep Brain Stimulation in dystonia depends on the posterior location of active electrode contacts: a pilot study. <i>Parkinsonism and Related Disorders</i> , 2018, 47, 71-75.	2.2	16
35	DiODe v2: Unambiguous and Fully-Automated Detection of Directional DBS Lead Orientation. <i>Brain Sciences</i> , 2021, 11, 1450.	2.3	16
36	Weight Change after Striatal/Capsule Deep Brain Stimulation Relates to Connectivity to the Bed Nucleus of the Stria Terminalis and Hypothalamus. <i>Brain Sciences</i> , 2019, 9, 264.	2.3	14

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37	Selecting the Most Effective DBS Contact in Essential Tremor Patients Based on Individual Tractography. <i>Brain Sciences</i> , 2020, 10, 1015.	2.3	14
38	Reliable Detection of Atrial Fibrillation with a Medical Wearable during Inpatient Conditions. <i>Sensors</i> , 2020, 20, 5517.	3.8	13
39	Deep brain stimulation of the posterior subthalamic area and the thalamus in patients with essential tremor: study protocol for a randomized controlled pilot trial. <i>Trials</i> , 2016, 17, 476.	1.6	12
40	Temporal Stability of Lead Orientation in Directional Deep Brain Stimulation. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 167-170.	1.5	11
41	The Contribution of Subthalamic Nucleus Deep Brain Stimulation to the Improvement in Motor Functions and Quality of Life. <i>Movement Disorders</i> , 2022, 37, 291-301.	3.9	11
42	The effects of thalamic and posterior subthalamic deep brain stimulation on speech in patients with essential tremor – A prospective, randomized, doubleblind crossover study. <i>Brain and Language</i> , 2020, 202, 104724.	1.6	10
43	Thalamic Deep Brain Stimulation in Essential Tremor Plus Is as Effective as in Essential Tremor. <i>Brain Sciences</i> , 2020, 10, 970.	2.3	10
44	Quality of Life After Deep Brain Stimulation of Pediatric Patients with Dyskinetic Cerebral Palsy: A Prospective, Singleâ€Arm, Multicenter Study with a Subsequent Randomized Doubleâ€Blind Crossover (<sc>STIMâ€CP</sc>). <i>Movement Disorders</i> , 2022, 37, 799-811.	3.9	10
45	Network Fingerprint of Stimulationâ€Induced Speech Impairment in Essential Tremor. <i>Annals of Neurology</i> , 2021, 89, 315-326.	5.3	9
46	Daily Alternation of DBS Settings Does Not Prevent Habituation of Tremor Suppression in Essential Tremor Patients. <i>Movement Disorders Clinical Practice</i> , 2019, 6, 417-418.	1.5	8
47	Deep Brain Stimulation Reduces Conflict-Related Theta and Error-Related Negativity in Patients With Obsessiveâ€Compulsive Disorder. <i>Neuromodulation</i> , 2022, 25, 245-252.	0.8	7
48	Brain Morphometry Associated With Response to Levodopa and Deep Brain Stimulation in Parkinson Disease. <i>Neuromodulation</i> , 2023, 26, 340-347.	0.8	6
49	Structural Connectivity of Subthalamic Nucleus Stimulation for Improving Freezing of Gait. <i>Journal of Parkinson's Disease</i> , 2022, 12, 1251-1267.	2.8	5
50	Feasibility of Wearable-Based Remote Monitoring in Patients During Intensive Treatment for Aggressive Hematologic Malignancies. <i>JCO Clinical Cancer Informatics</i> , 2022, 6, e2100126.	2.1	3
51	A Randomized, Double-Blinded Crossover Trial of Short Versus Conventional Pulse Width Subthalamic Deep Brain Stimulation in Parkinsonâ€™s Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, 1497-1505.	2.8	3
52	Normative Functional Connectivity of Thalamic Stimulation for Reducing Tic Severity in Tourette Syndrome. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 841-844.	1.5	1
53	Author response: DBS of the PSA and the VIM in essential tremor: A randomized, double-blind, crossover trial. <i>Neurology</i> , 2019, 92, 975.2-976.	1.1	0
54	The impact of subthalamic deep brain stimulation on belief revision and social validation. <i>Parkinsonism and Related Disorders</i> , 2021, 89, 84-86.	2.2	0

#	ARTICLE	IF	CITATIONS
55	Mapping and predicting treatment response on a local level. , 2022, , 359-374.		0