

Benjamin L Walter

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,971
citations

257450

24
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

3553
citing authors

#	ARTICLE	IF	CITATIONS
1	Directional Stimulation in Parkinson's Disease and Essential Tremor: The Cleveland Clinic Experience. <i>Neuromodulation</i> , 2022, 25, 829-835.	0.8	16
2	The Neural Representation of Force across Grasp Types in Motor Cortex of Humans with Tetraplegia. <i>ENeuro</i> , 2021, 8, ENEURO.0231-20.2020.	1.9	9
3	North American survey on impact of the COVID-19 pandemic shutdown on DBS care. <i>Parkinsonism and Related Disorders</i> , 2021, 92, 41-45.	2.2	8
4	Neural Representation of Observed, Imagined, and Attempted Grasping Force in Motor Cortex of Individuals with Chronic Tetraplegia. <i>Scientific Reports</i> , 2020, 10, 1429.	3.3	16
5	Targeting neurons in the gastrointestinal tract to treat Parkinson's disease. <i>Clinical Parkinsonism & Related Disorders</i> , 2019, 1, 2-7.	0.9	18
6	Principled BCI Decoder Design and Parameter Selection Using a Feedback Control Model. <i>Scientific Reports</i> , 2019, 9, 8881.	3.3	28
7	A Comparison of Intention Estimation Methods for Decoder Calibration in Intracortical Brain-Computer Interfaces. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2066-2078.	4.2	19
8	Efficacy and Safety of Deep Brain Stimulation in Tourette Syndrome. <i>JAMA Neurology</i> , 2018, 75, 353.	9.0	186
9	Rapid calibration of an intracortical brain-computer interface for people with tetraplegia. <i>Journal of Neural Engineering</i> , 2018, 15, 026007.	3.5	95
10	Signal processing methods for reducing artifacts in microelectrode brain recordings caused by functional electrical stimulation. <i>Journal of Neural Engineering</i> , 2018, 15, 026014.	3.5	26
11	Signal-independent noise in intracortical brain-computer interfaces causes movement time properties inconsistent with Fitts' law. <i>Journal of Neural Engineering</i> , 2017, 14, 026010.	3.5	9
12	Restoration of reaching and grasping movements through brain-controlled muscle stimulation in a person with tetraplegia: a proof-of-concept demonstration. <i>Lancet</i> , 2017, 389, 1821-1830.	13.7	632
13	Feedback control policies employed by people using intracortical brain-computer interfaces. <i>Journal of Neural Engineering</i> , 2017, 14, 016001.	3.5	41
14	Optimizing extended-release carbidopa/levodopa in Parkinson disease. <i>Neurology: Clinical Practice</i> , 2017, 7, 86-93.	1.6	20
15	Neuromodulation in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017, 23, 1663-1676.	3.0	45
16	A randomized trial of individual versus group-format exercise and self-management in individuals with Parkinson's disease and comorbid depression. <i>Patient Preference and Adherence</i> , 2017, Volume 11, 965-973.	1.8	43
17	The International Deep Brain Stimulation Registry and Database for Gilles de la Tourette Syndrome: How Does It Work?. <i>Frontiers in Neuroscience</i> , 2016, 10, 170.	2.8	55
18	Ethical Considerations of Broadcasting Awake Brain Stimulation Surgery: Reigniting a Debate. <i>Brain Stimulation</i> , 2016, 9, 320-322.	1.6	0

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19	Test and Validation of a Smart Exercise Bike for Motor Rehabilitation in Individuals With Parkinson's Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1254-1264.	4.9	18
20	Web-Interface-Driven Development for Neuro3D, a Clinical Data Capture and Decision Support System for Deep Brain Stimulation. Lecture Notes in Computer Science, 2016, , 31-42.	1.3	4
21	Enhanced Exercise Therapy in Parkinson's disease: A comparative effectiveness trial. Journal of Science and Medicine in Sport, 2016, 19, 12-17.	1.3	31
22	Dynamic High-Cadence Cycling Improves Motor Symptoms in Parkinson's Disease. Frontiers in Neurology, 2015, 6, 194.	2.4	44
23	Machine Learning Approach to Optimizing Combined Stimulation and Medication Therapies for Parkinson's Disease. Brain Stimulation, 2015, 8, 1025-1032.	1.6	66
24	Tourette syndrome deep brain stimulation: A review and updated recommendations. Movement Disorders, 2015, 30, 448-471.	3.9	236
25	A Method for Predicting the Outcomes of Combined Pharmacologic and Deep Brain Stimulation Therapy for Parkinson's Disease. Lecture Notes in Computer Science, 2014, 17, 188-195.	1.3	5
26	Letters to the Editor: The cerebellum and Parkinson's disease. Journal of Neurosurgery, 2014, 121, 494-495.	1.6	1
27	Multitract Orthogonal Microelectrode Localization of the Subthalamic Nucleus: Description of a Novel Technique. Operative Neurosurgery, 2014, 10, 240-245.	0.8	2
28	Fiber tractography of the axonal pathways linking the basal ganglia and cerebellum in Parkinson disease: implications for targeting in deep brain stimulation. Journal of Neurosurgery, 2014, 120, 988-996.	1.6	67
29	Quantitative analysis of gait and balance response to deep brain stimulation in Parkinson's disease. Gait and Posture, 2013, 38, 109-114.	1.4	31
30	Novel magnetomechanical MR compatible vibrational device for producing kinesthetic illusion during fMRI. Medical Physics, 2013, 40, 112303.	3.0	7
31	Automated motion sensor quantification of gait and lower extremity bradykinesia. , 2012, 2012, 1956-9.		37
32	Psychosocial Interventions for Depression and Anxiety in Parkinson's Disease. Journal of Geriatric Psychiatry and Neurology, 2012, 25, 113-121.	2.3	65
33	Pathophysiology of Hyperkinetic Movement Disorders. , 2012, , 1-22.		3
34	Parkinson's Disease and Other Movement Disorders. , 2011, , 567-646.		9
35	Standard guidelines for publication of deep brain stimulation studies in Parkinson's disease (Guide4DBS&PD). Movement Disorders, 2010, 25, 1530-1537.	3.9	20
36	Somatotopic organization in the internal segment of the globus pallidus in Parkinson's disease. Experimental Neurology, 2010, 222, 219-225.	4.1	50

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37	Deep brain stimulation activation volumes and their association with neurophysiological mapping and therapeutic outcomes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009, 80, 659-666.	1.9	196
38	Automated 3-Dimensional Brain Atlas Fitting to Microelectrode Recordings from Deep Brain Stimulation Surgeries. <i>Stereotactic and Functional Neurosurgery</i> , 2009, 87, 229-240.	1.5	28
39	Cardiovascular autonomic dysfunction in patients with movement disorders.. <i>Cleveland Clinic Journal of Medicine</i> , 2008, 75, S54-S54.	1.3	25
40	CLINICAL PROBLEM SOLVING. <i>Neurosurgery</i> , 2007, 61, 815-825.	1.1	6
41	Current Neurosurgical Treatments for Parkinson's Disease: Where Did They Come From?. , 2005, , 159-173.		2
42	Pseudobulbar crying induced by stimulation in the region of the subthalamic nucleus. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004, 75, 921-923.	1.9	62
43	Surgical treatment for Parkinson's disease. <i>Lancet Neurology, The</i> , 2004, 3, 719-728.	10.2	162
44	How Does Deep Brain Stimulation Work? Present Understanding and Future Questions. <i>Journal of Clinical Neurophysiology</i> , 2004, 21, 40-50.	1.7	286
45	Beneficial Effects of Testosterone Replacement for the Nonmotor Symptoms of Parkinson Disease. <i>Archives of Neurology</i> , 2002, 59, 1750.	4.5	109
46	Hypothalamic and Olfactory Control of Sexual Behavior and Partner Preference in Male Rats. <i>Physiology and Behavior</i> , 1996, 60, 1347-1354.	2.1	57
47	The development of a measure of enculturation for Native American youth. <i>American Journal of Community Psychology</i> , 1996, 24, 295-310.	2.5	75