

Benjamin L Walter

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,971
citations

257357

24
h-index

265120

42
g-index

48
all docs

48
docs citations

48
times ranked

3553
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoration of reaching and grasping movements through brain-controlled muscle stimulation in a person with tetraplegia: a proof-of-concept demonstration. <i>Lancet, The</i> , 2017, 389, 1821-1830.	6.3	632
2	How Does Deep Brain Stimulation Work? Present Understanding and Future Questions. <i>Journal of Clinical Neurophysiology</i> , 2004, 21, 40-50.	0.9	286
3	Tourette syndrome deep brain stimulation: A review and updated recommendations. <i>Movement Disorders</i> , 2015, 30, 448-471.	2.2	236
4	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.	0.9	196
5	Efficacy and Safety of Deep Brain Stimulation in Tourette Syndrome. <i>JAMA Neurology</i> , 2018, 75, 353.	4.5	186
6	Surgical treatment for Parkinson's disease. <i>Lancet Neurology, The</i> , 2004, 3, 719-728.	4.9	162
7	Beneficial Effects of Testosterone Replacement for the Nonmotor Symptoms of Parkinson Disease. <i>Archives of Neurology</i> , 2002, 59, 1750.	4.9	109
8	Rapid calibration of an intracortical brain-computer interface for people with tetraplegia. <i>Journal of Neural Engineering</i> , 2018, 15, 026007.	1.8	95
9	The development of a measure of enculturation for Native American youth. <i>American Journal of Community Psychology</i> , 1996, 24, 295-310.	1.2	75
10	Fiber tractography of the axonal pathways linking the basal ganglia and cerebellum in Parkinson disease: implications for targeting in deep brain stimulation. <i>Journal of Neurosurgery</i> , 2014, 120, 988-996.	0.9	67
11	Machine Learning Approach to Optimizing Combined Stimulation and Medication Therapies for Parkinson's Disease. <i>Brain Stimulation</i> , 2015, 8, 1025-1032.	0.7	66
12	Psychosocial Interventions for Depression and Anxiety in Parkinson's Disease. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2012, 25, 113-121.	1.2	65
13	Pseudobulbar crying induced by stimulation in the region of the subthalamic nucleus. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004, 75, 921-923.	0.9	62
14	Hypothalamic and Olfactory Control of Sexual Behavior and Partner Preference in Male Rats. <i>Physiology and Behavior</i> , 1996, 60, 1347-1354.	1.0	57
15	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.	1.4	55
16	Somatotopic organization in the internal segment of the globus pallidus in Parkinson's disease. <i>Experimental Neurology</i> , 2010, 222, 219-225.	2.0	50
17	Neuromodulation in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017, 23, 1663-1676.	1.4	45
18	Dynamic High-Cadence Cycling Improves Motor Symptoms in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2015, 6, 194.	1.1	44

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19	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.	0.8	43
20	Feedback control policies employed by people using intracortical brain-computer interfaces. <i>Journal of Neural Engineering</i> , 2017, 14, 016001.	1.8	41
21	Automated motion sensor quantification of gait and lower extremity bradykinesia. , 2012, 2012, 1956-9.		37
22	Quantitative analysis of gait and balance response to deep brain stimulation in Parkinson's disease. <i>Gait and Posture</i> , 2013, 38, 109-114.	0.6	31
23	Enhanced Exercise Therapy in Parkinson's disease: A comparative effectiveness trial. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 12-17.	0.6	31
24	Automated 3-Dimensional Brain Atlas Fitting to Microelectrode Recordings from Deep Brain Stimulation Surgeries. <i>Stereotactic and Functional Neurosurgery</i> , 2009, 87, 229-240.	0.8	28
25	Principled BCI Decoder Design and Parameter Selection Using a Feedback Control Model. <i>Scientific Reports</i> , 2019, 9, 8881.	1.6	28
26	Signal processing methods for reducing artifacts in microelectrode brain recordings caused by functional electrical stimulation. <i>Journal of Neural Engineering</i> , 2018, 15, 026014.	1.8	26
27	Cardiovascular autonomic dysfunction in patients with movement disorders.. <i>Cleveland Clinic Journal of Medicine</i> , 2008, 75, S54-S54.	0.6	25
28	Standard guidelines for publication of deep brain stimulation studies in Parkinson's disease (Guide4DBSâ€PD). <i>Movement Disorders</i> , 2010, 25, 1530-1537.	2.2	20
29	Optimizing extended-release carbidopa/levodopa in Parkinson disease. <i>Neurology: Clinical Practice</i> , 2017, 7, 86-93.	0.8	20
30	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.	2.5	19
31	Test and Validation of a Smart Exercise Bike for Motor Rehabilitation in Individuals With Parkinson's Disease. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2016, 24, 1254-1264.	2.7	18
32	Targeting neurons in the gastrointestinal tract to treat Parkinson's disease. <i>Clinical Parkinsonism & Related Disorders</i> , 2019, 1, 2-7.	0.5	18
33	Directional Stimulation in Parkinson's Disease and Essential Tremor: The Cleveland Clinic Experience. <i>Neuromodulation</i> , 2022, 25, 829-835.	0.4	16
34	Neural Representation of Observed, Imagined, and Attempted Grasping Force in Motor Cortex of Individuals with Chronic Tetraplegia. <i>Scientific Reports</i> , 2020, 10, 1429.	1.6	16
35	Parkinson's Disease and Other Movement Disorders. , 2011, , 567-646.		9
36	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.	1.8	9

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37	The Neural Representation of Force across Grasp Types in Motor Cortex of Humans with Tetraplegia. ENeuro, 2021, 8, ENEURO.0231-20.2020.	0.9	9
38	North American survey on impact of the COVID-19 pandemic shutdown on DBS care. Parkinsonism and Related Disorders, 2021, 92, 41-45.	1.1	8
39	Novel magnetomechanical MR compatible vibrational device for producing kinesthetic illusion during fMRI. Medical Physics, 2013, 40, 112303.	1.6	7
40	CLINICAL PROBLEM SOLVING. Neurosurgery, 2007, 61, 815-825.	0.6	6
41	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.	1.0	5
42	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.	1.0	4
43	Pathophysiology of Hyperkinetic Movement Disorders. , 2012, , 1-22.		3
44	Current Neurosurgical Treatments for Parkinson's Disease: Where Did They Come From?. , 2005, , 159-173.		2
45	Multitract Orthogonal Microelectrode Localization of the Subthalamic Nucleus: Description of a Novel Technique. Operative Neurosurgery, 2014, 10, 240-245.	0.4	2
46	Letters to the Editor: The cerebellum and Parkinson's disease. Journal of Neurosurgery, 2014, 121, 494-495.	0.9	1
47	Ethical Considerations of Broadcasting Awake Brain Stimulation Surgery: Reigniting a Debate. Brain Stimulation, 2016, 9, 320-322.	0.7	0