

Catherine M Sweeney-Reed

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,030
citations

394421

19
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

1596
citing authors

#	ARTICLE	IF	CITATIONS
1	EMG signal filtering based on Empirical Mode Decomposition. Biomedical Signal Processing and Control, 2006, 1, 44-55.	5.7	149
2	A novel approach to the detection of synchronisation in EEG based on empirical mode decomposition. Journal of Computational Neuroscience, 2007, 23, 79-111.	1.0	149
3	Corticothalamic phase synchrony and cross-frequency coupling predict human memory formation. ELife, 2014, 3, e05352.	6.0	82
4	Convolutional neural networks for decoding of covert attention focus and saliency maps for EEG feature visualization. Journal of Neural Engineering, 2019, 16, 066010.	3.5	62
5	Pre-stimulus thalamic theta power predicts human memory formation. NeuroImage, 2016, 138, 100-108.	4.2	45
6	Modulation of Working Memory Using Transcranial Electrical Stimulation: A Direct Comparison Between TACS and TDCS. Frontiers in Neuroscience, 2018, 12, 761.	2.8	43
7	Cortico-Muscular Coherence Is Reduced Acutely Post-stroke and Increases Bilaterally During Motor Recovery: A Pilot Study. Frontiers in Neurology, 2019, 10, 126.	2.4	43
8	The role of the anterior nuclei of the thalamus in human memory processing. Neuroscience and Biobehavioral Reviews, 2021, 126, 146-158.	6.1	38
9	Loss of corticospinal tract integrity in early MS disease stages. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e399.	6.0	37
10	Progranulin and Amyloid- β^2 Levels: Relationship to Neuropsychology in Frontotemporal and Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 46, 375-380.	2.6	34
11	Thalamic theta phase alignment predicts human memory formation and anterior thalamic cross-frequency coupling. ELife, 2015, 4, .	6.0	33
12	Ketamine influences the locus coeruleus norepinephrine network, with a dependency on norepinephrine transporter genotype "a placebo controlled fMRI study. NeuroImage: Clinical, 2018, 20, 715-723.	2.7	29
13	Empirical Mode Decomposition and its Extensions Applied to EEG Analysis: A Review. Advances in Data Science and Adaptive Analysis, 2018, 10, 1840001.	0.4	29
14	Functional electrical stimulation through direct 4-channel nerve stimulation to improve gait in multiple sclerosis: a feasibility study. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 100.	4.6	25
15	Novelty seeking and reward dependence-related large-scale brain networks functional connectivity variation during salience expectancy. Human Brain Mapping, 2017, 38, 4064-4077.	3.6	24
16	Lower Serum Zinc Levels in Patients with Multiple Sclerosis Compared to Healthy Controls. Nutrients, 2018, 10, 967.	4.1	22
17	CSF-Progranulin and Neurofilament Light Chain Levels in Patients With Radiologically Isolated Syndrome "Sign of Inflammation. Frontiers in Neurology, 2018, 9, 1075.	2.4	21
18	Exploration of the neural correlates of cerebral palsy for sensorimotor BCI control. Frontiers in Neuroengineering, 2014, 7, 20.	4.8	20

#	ARTICLE	IF	CITATIONS
19	Thalamic interictal epileptiform discharges in deep brain-stimulated epilepsy patients. <i>Journal of Neurology</i> , 2016, 263, 2120-2126.	3.6	20
20	Anterior Thalamic High Frequency Band Activity Is Coupled with Theta Oscillations at Rest. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 358.	2.0	20
21	Neural Correlates of True and False Memory in Mild Cognitive Impairment. <i>PLoS ONE</i> , 2012, 7, e48357.	2.5	20
22	Exposure to attachment narratives dynamically modulates cortical arousal during the resting state in the listener. <i>Brain and Behavior</i> , 2018, 8, e01007.	2.2	12
23	Interhemispheric connectivity in amyotrophic lateral sclerosis: A near-infrared spectroscopy and diffusion tensor imaging study. <i>NeuroImage: Clinical</i> , 2016, 12, 666-672.	2.7	11
24	Robot-Assisted and Device-Based Rehabilitation of the Upper Extremity. <i>Neurology International Open</i> , 2017, 01, E242-E246.	0.4	9
25	Near-infrared spectroscopy and transcranial sonography to evaluate cerebral autoregulation in middle cerebral artery steno-occlusive disease. <i>Journal of Neurology</i> , 2016, 263, 2296-2301.	3.6	8
26	Pool Testing as a Strategy for Prevention of SARS-CoV-2 Outbreaks in Schools: Protocol for a Feasibility Study. <i>JMIR Research Protocols</i> , 2021, 10, e28673.	1.0	8
27	Neuronal spiking in the pedunculopontine nucleus in progressive supranuclear palsy and in idiopathic Parkinson's disease. <i>Journal of Neurology</i> , 2019, 266, 2244-2251.	3.6	5
28	Long-term outcomes of semi-implantable functional electrical stimulation for central drop foot. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 72.	4.6	5
29	Feasibility of a surveillance programme based on gargle samples and pool testing to prevent SARS-CoV-2 outbreaks in schools. <i>Scientific Reports</i> , 2021, 11, 19521.	3.3	5
30	How to Implement Safe, Efficient and Cost-Effective SARS-CoV-2 Testing in Urban and Rural Schools within One Month. <i>Covid</i> , 2021, 1, 717-727.	1.5	4
31	Clinical, neuropsychological, and pre-stimulus dorsomedial thalamic nucleus electrophysiological data in deep brain stimulation patients. <i>Data in Brief</i> , 2016, 8, 557-561.	1.0	3
32	CSF macrophage migration inhibitory factor levels did not predict steroid treatment response after optic neuritis in patients with multiple sclerosis. <i>PLoS ONE</i> , 2018, 13, e0207726.	2.5	3
33	Interocular transfer of visual memory – Influence of visual impairment and abnormalities of the optic chiasm. <i>Neuropsychologia</i> , 2019, 129, 171-178.	1.6	3
34	Neuronal oscillations of the pedunculopontine nucleus in progressive supranuclear palsy: Influence of levodopa and movement. <i>Clinical Neurophysiology</i> , 2020, 131, 414-419.	1.5	2