

Jan Cimbalnik

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,372
citations

516710

16
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

1366
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracranial electrophysiological recordings from the human brain during memory tasks with pupillometry. <i>Scientific Data</i> , 2022, 9, 6.	5.3	4
2	Distributed brain co-processor for tracking spikes, seizures and behaviour during electrical brain stimulation. <i>Brain Communications</i> , 2022, 4, .	3.3	22
3	Protocol for multicentre comparison of interictal high-frequency oscillations as a predictor of seizure freedom. <i>Brain Communications</i> , 2022, 4, .	3.3	7
4	Ultra-fast oscillation detection in EEG signal from deep-brain microelectrodes. , 2021, 2021, 265-268.		0
5	High frequency oscillations in epileptic and non-epileptic human hippocampus during a cognitive task. <i>Scientific Reports</i> , 2020, 10, 18147.	3.3	20
6	Cognitive Processing Impacts High Frequency Intracranial EEG Activity of Human Hippocampus in Patients With Pharmacoresistant Focal Epilepsy. <i>Frontiers in Neurology</i> , 2020, 11, 578571.	2.4	7
7	Multicenter intracranial EEG dataset for classification of graphoelements and artifactual signals. <i>Scientific Data</i> , 2020, 7, 179.	5.3	16
8	Intracerebral EEG Artifact Identification Using Convolutional Neural Networks. <i>Neuroinformatics</i> , 2019, 17, 225-234.	2.8	60
9	Exploiting Graphoelements and Convolutional Neural Networks with Long Short Term Memory for Classification of the Human Electroencephalogram. <i>Scientific Reports</i> , 2019, 9, 11383.	3.3	18
10	NREM sleep is the state of vigilance that best identifies the epileptogenic zone in the interictal electroencephalogram. <i>Epilepsia</i> , 2019, 60, 2404-2415.	5.1	48
11	Multi-feature localization of epileptic foci from interictal, intracranial EEG. <i>Clinical Neurophysiology</i> , 2019, 130, 1945-1953.	1.5	53
12	Hippocampal high frequency oscillations in unilateral and bilateral mesial temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2019, 130, 1151-1159.	1.5	6
13	Deep-learning for seizure forecasting in canines with epilepsy. <i>Journal of Neural Engineering</i> , 2019, 16, 036031.	3.5	61
14	Spatial variation in high-frequency oscillation rates and amplitudes in intracranial EEG. <i>Neurology</i> , 2018, 90, e639-e646.	1.1	60
15	The CS algorithm: A novel method for high frequency oscillation detection in EEG. <i>Journal of Neuroscience Methods</i> , 2018, 293, 6-16.	2.5	37
16	Integrating Brain Implants With Local and Distributed Computing Devices: A Next Generation Epilepsy Management System. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018, 6, 1-12.	3.7	92
17	Physiological and pathological high frequency oscillations in focal epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 1062-1076.	3.7	71
18	Integrating artificial intelligence with real-time intracranial EEG monitoring to automate interictal identification of seizure onset zones in focal epilepsy. <i>Journal of Neural Engineering</i> , 2018, 15, 046035.	3.5	54

#	ARTICLE	IF	CITATIONS
19	Progress and remaining challenges in the application of high frequency oscillations as biomarkers of epileptic brain. <i>Current Opinion in Biomedical Engineering</i> , 2017, 4, 87-96.	3.4	16
20	High-frequency oscillations: The state of clinical research. <i>Epilepsia</i> , 2017, 58, 1316-1329.	5.1	260
21	Very high-frequency oscillations: Novel biomarkers of the epileptogenic zone. <i>Annals of Neurology</i> , 2017, 82, 299-310.	5.3	60
22	Interictal very fast ripples (500-1000 Hz) and ultra fast ripples (1-2 kHz): Novel biomarkers of the epileptogenic zone. <i>Journal of the Neurological Sciences</i> , 2017, 381, 337.	0.6	0
23	Frequency-independent characteristics of high-frequency oscillations in epileptic and non-epileptic regions. <i>Clinical Neurophysiology</i> , 2017, 128, 106-114.	1.5	31
24	Interictal high-frequency oscillations in focal human epilepsy. <i>Current Opinion in Neurology</i> , 2016, 29, 175-181.	3.6	52
25	Combined Single Neuron Unit Activity and Local Field Potential Oscillations in a Human Visual Recognition Memory Task. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 67-75.	4.2	5
26	Gamma oscillations precede interictal epileptiform spikes in the seizure onset zone. <i>Neurology</i> , 2015, 84, 602-608.	1.1	79
27	Evidence for Consolidation of Neuronal Assemblies after Seizures in Humans. <i>Journal of Neuroscience</i> , 2015, 35, 999-1010.	3.6	55
28	Impact of cognitive stimulation on ripples within human epileptic and non-epileptic hippocampus. <i>BMC Neuroscience</i> , 2015, 16, 47.	1.9	17
29	High frequency oscillations are associated with cognitive processing in human recognition memory. <i>Brain</i> , 2014, 137, 2231-2244.	7.6	149