

# Michal T Kucewicz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4188129/publications.pdf>

Version: 2024-02-01

29  
papers

1,594  
citations

471509

17  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1862  
citing authors

#	ARTICLE	IF	CITATIONS
1	Closed-loop stimulation of temporal cortex rescues functional networks and improves memory. Nature Communications, 2018, 9, 365.	12.8	248
2	Direct Brain Stimulation Modulates Encoding States and Memory Performance in Humans. Current Biology, 2017, 27, 1251-1258.	3.9	207
3	Pathological and physiological high-frequency oscillations in focal human epilepsy. Journal of Neurophysiology, 2013, 110, 1958-1964.	1.8	182
4	High frequency oscillations are associated with cognitive processing in human recognition memory. Brain, 2014, 137, 2231-2244.	7.6	149
5	Evidence for verbal memory enhancement with electrical brain stimulation in the lateral temporal cortex. Brain, 2018, 141, 971-978.	7.6	80
6	Gamma oscillations precede interictal epileptiform spikes in the seizure onset zone. Neurology, 2015, 84, 602-608.	1.1	79
7	Dissecting gamma frequency activity during human memory processing. Brain, 2017, 140, 1337-1350.	7.6	76
8	Network oscillations modulate interictal epileptiform spike rate during human memory. Brain, 2013, 136, 2444-2456.	7.6	75
9	Pupil size reflects successful encoding and recall of memory in humans. Scientific Reports, 2018, 8, 4949.	3.3	62
10	Dysfunctional Prefrontal Cortical Network Activity and Interactions following Cannabinoid Receptor Activation. Journal of Neuroscience, 2011, 31, 15560-15568.	3.6	58
11	Evidence for Consolidation of Neuronal Assemblies after Seizures in Humans. Journal of Neuroscience, 2015, 35, 999-1010.	3.6	55
12	Interictal high-frequency oscillations in focal human epilepsy. Current Opinion in Neurology, 2016, 29, 175-181.	3.6	52
13	Electrical Stimulation Modulates High $\gamma$ Activity and Human Memory Performance. ENeuro, 2018, 5, ENEURO.0369-17.2018.	1.9	41
14	Visually validated semi-automatic high-frequency oscillation detection aides the delineation of epileptogenic regions during intra-operative electrocorticography. Clinical Neurophysiology, 2018, 129, 2089-2098.	1.5	40
15	Behavioral state classification in epileptic brain using intracranial electrophysiology. Journal of Neural Engineering, 2017, 14, 026001.	3.5	31
16	Ripple oscillations in the left temporal neocortex are associated with impaired verbal episodic memory encoding. Epilepsy and Behavior, 2018, 88, 33-40.	1.7	30
17	Reactivation of seizure-related changes to interictal spike shape and synchrony during postseizure sleep in patients. Epilepsia, 2017, 58, 94-104.	5.1	23
18	Human Verbal Memory Encoding Is Hierarchically Distributed in a Continuous Processing Stream. ENeuro, 2019, 6, ENEURO.0214-18.2018.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Unsupervised machine-learning classification of electrophysiologically active electrodes during human cognitive task performance. <i>Scientific Reports</i> , 2019, 9, 17390.	3.3	18
20	Contribution of Ictal Source Imaging for Localizing Seizure Onset Zone in Patients With Focal Epilepsy. <i>Neurology</i> , 2021, 96, e366-e375.	1.1	17
21	Independent dynamics of low, intermediate, and high frequency spectral intracranial EEG activities during human memory formation. <i>NeuroImage</i> , 2021, 245, 118637.	4.2	13
22	Direct Electrical Stimulation of the Human Brain Has Inverse Effects on the Theta and Gamma Neural Activities. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 3701-3712.	4.2	7
23	Pathologic brain network activity. <i>Neurology</i> , 2013, 81, 12-13.	1.1	6
24	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
25	A Computationally Efficient Model for Predicting Successful Memory Encoding Using Machine-Learning-based EEG Channel Selection. , 2019, , .		5
26	Leveraging electrophysiologic correlates of word encoding to map seizure onset zone in focal epilepsy: Taskâ€dependent changes in epileptiform activity, spectral features, and functional connectivity. <i>Epilepsia</i> , 2021, 62, 2627-2639.	5.1	4
27	Intracranial electrophysiological recordings from the human brain during memory tasks with pupillometry. <i>Scientific Data</i> , 2022, 9, 6.	5.3	4
28	Deep Brain Stimulation of Anterior Nuclei of the Thalamus and Hippocampal Seizure Rate Modulate Verbal Memory Performance. , 2022, , .		4
29	Hotspot of human verbal memory encoding in the left anterior prefrontal cortex. <i>EBioMedicine</i> , 2022, 82, 104135.	6.1	1