

Giovanni Piantoni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4937431/publications.pdf>

Version: 2024-02-01

22
papers

1,105
citations

516710

16
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

1958
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotating waves during human sleep spindles organize global patterns of activity that repeat precisely through the night. <i>ELife</i> , 2016, 5, .	6.0	151
2	Integrated analysis of anatomical and electrophysiological human intracranial data. <i>Nature Protocols</i> , 2018, 13, 1699-1723.	12.0	130
3	Individual Differences in White Matter Diffusion Affect Sleep Oscillations. <i>Journal of Neuroscience</i> , 2013, 33, 227-233.	3.6	128
4	Sleep deprivation leads to a loss of functional connectivity in frontal brain regions. <i>BMC Neuroscience</i> , 2014, 15, 88.	1.9	126
5	iEEG-BIDS, extending the Brain Imaging Data Structure specification to human intracranial electrophysiology. <i>Scientific Data</i> , 2019, 6, 102.	5.3	96
6	Spatiotemporal characteristics of sleep spindles depend on cortical location. <i>NeuroImage</i> , 2017, 146, 236-245.	4.2	68
7	The Contribution of Thalamocortical Core and Matrix Pathways to Sleep Spindles. <i>Neural Plasticity</i> , 2016, 2016, 1-10.	2.2	56
8	Sleep spindle and slow wave frequency reflect motor skill performance in primary school-age children. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 910.	2.0	44
9	Small vessel disease and cognitive impairment: The relevance of central network connections. <i>Human Brain Mapping</i> , 2016, 37, 2446-2454.	3.6	39
10	Alpha Power Predicts Persistence of Bistable Perception. <i>Scientific Reports</i> , 2017, 7, 5208.	3.3	38
11	Beta oscillations correlate with the probability of perceiving rivalrous visual stimuli. <i>Journal of Vision</i> , 2010, 10, 18-18.	0.3	37
12	Modulation of gamma and spindle-range power by slow oscillations in scalp sleep EEG of children. <i>International Journal of Psychophysiology</i> , 2013, 89, 252-258.	1.0	33
13	Does sleep restore the topology of functional brain networks?. <i>Human Brain Mapping</i> , 2013, 34, 487-500.	3.6	31
14	Disrupted directed connectivity along the cingulate cortex determines vigilance after sleep deprivation. <i>NeuroImage</i> , 2013, 79, 213-222.	4.2	30
15	Ictal and preictal power changes outside of the seizure focus correlate with seizure generalization. <i>Epilepsia</i> , 2018, 59, 1398-1409.	5.1	24
16	A transient cortical state with sleep-like sensory responses precedes emergence from general anesthesia in humans. <i>ELife</i> , 2018, 7, .	6.0	18
17	Coupling of infraslow fluctuations in autonomic and central vigilance markers: Skin temperature, EEG beta power and ERP P300 latency. <i>International Journal of Psychophysiology</i> , 2013, 89, 158-164.	1.0	17
18	Memory traces of long-range coordinated oscillations in the sleeping human brain. <i>Human Brain Mapping</i> , 2015, 36, 67-84.	3.6	16

#	ARTICLE	IF	CITATIONS
19	Open multimodal iEEG-fMRI dataset from naturalistic stimulation with a short audiovisual film. Scientific Data, 2022, 9, 91.	5.3	10
20	OpBox: Open Source Tools for Simultaneous EEG and EMG Acquisition from Multiple Subjects. ENeuro, 2020, 7, ENEURO.0212-20.2020.	1.9	5
21	Size of the spatial correlation between ECoG and fMRI activity. NeuroImage, 2021, 242, 118459.	4.2	3
22	Modeling the temporal dynamics of neural responses in human visual cortex. Journal of Vision, 2020, 20, 582.	0.3	0