Giovanni Piantoni

List of Publications by Year in descending order

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	Open multimodal iEEG-fMRI dataset from naturalistic stimulation with a short audiovisual film. Scientific Data, 2022, 9, 91.	5.3	10
2	Size of the spatial correlation between ECoG and fMRI activity. NeuroImage, 2021, 242, 118459.	4.2	3
3	OpBox: Open Source Tools for Simultaneous EEG and EMG Acquisition from Multiple Subjects. ENeuro, 2020, 7, ENEURO.0212-20.2020.	1.9	5
4	Modeling the temporal dynamics of neural responses in human visual cortex. Journal of Vision, 2020, 20, 582.	0.3	0
5	iEEG-BIDS, extending the Brain Imaging Data Structure specification to human intracranial electrophysiology. Scientific Data, 2019, 6, 102.	5.3	96
6	Integrated analysis of anatomical and electrophysiological human intracranial data. Nature Protocols, 2018, 13, 1699-1723.	12.0	130
7	Ictal and preictal power changes outside of the seizure focus correlate with seizure generalization. Epilepsia, 2018, 59, 1398-1409.	5.1	24
8	A transient cortical state with sleep-like sensory responses precedes emergence from general anesthesia in humans. ELife, 2018, 7, .	6.0	18
9	Alpha Power Predicts Persistence of Bistable Perception. Scientific Reports, 2017, 7, 5208.	3.3	38
10	Spatiotemporal characteristics of sleep spindles depend on cortical location. NeuroImage, 2017, 146, 236-245.	4.2	68
11	The Contribution of Thalamocortical Core and Matrix Pathways to Sleep Spindles. Neural Plasticity, 2016, 2016, 1-10.	2.2	56
12	Small vessel disease and cognitive impairment: The relevance of central network connections. Human Brain Mapping, 2016, 37, 2446-2454.	3.6	39
13	Rotating waves during human sleep spindles organize global patterns of activity that repeat precisely through the night. ELife, 2016, 5, .	6.0	151
14	Memory traces of long-range coordinated oscillations in the sleeping human brain. Human Brain Mapping, 2015, 36, 67-84.	3.6	16
15	Sleep spindle and slow wave frequency reflect motor skill performance in primary school-age children. Frontiers in Human Neuroscience, 2014, 8, 910.	2.0	44
16	Sleep deprivation leads to a loss of functional connectivity in frontal brain regions. BMC Neuroscience, 2014, 15, 88.	1.9	126
17	Does sleep restore the topology of functional brain networks?. Human Brain Mapping, 2013, 34, 487-500.	3.6	31
18	Individual Differences in White Matter Diffusion Affect Sleep Oscillations. Journal of Neuroscience, 2013, 33, 227-233.	3.6	128

#	Article	IF	Citations
19	Modulation of gamma and spindle-range power by slow oscillations in scalp sleep EEG of children. International Journal of Psychophysiology, 2013, 89, 252-258.	1.0	33
20	Coupling of infraslow fluctuations in autonomic and central vigilance markers: Skin temperature, EEG beta power and ERP P300 latency. International Journal of Psychophysiology, 2013, 89, 158-164.	1.0	17
21	Disrupted directed connectivity along the cingulate cortex determines vigilance after sleep deprivation. NeuroImage, 2013, 79, 213-222.	4.2	30
22	Beta oscillations correlate with the probability of perceiving rivalrous visual stimuli. Journal of Vision, 2010, 10, 18-18.	0.3	37