

Gareth Barnes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10627915/publications.pdf>

Version: 2024-02-01

25
papers

1,791
citations

566801

15
h-index

642321

23
g-index

27
all docs

27
docs citations

27
times ranked

2270
citing authors

#	ARTICLE	IF	CITATIONS
1	EEG and MEG Data Analysis in SPM8. Computational Intelligence and Neuroscience, 2011, 2011, 1-32.	1.1	500
2	Movement-Related Changes in Local and Long-Range Synchronization in Parkinson's Disease Revealed by Simultaneous Magnetoencephalography and Intracranial Recordings. Journal of Neuroscience, 2012, 32, 10541-10553.	1.7	176
3	Visual word recognition: the first half second. NeuroImage, 2004, 22, 1819-1825.	2.1	168
4	MEG beamforming using Bayesian PCA for adaptive data covariance matrix regularization. NeuroImage, 2011, 57, 1466-1479.	2.1	134
5	Human motor cortical beta bursts relate to movement planning and response errors. PLoS Biology, 2019, 17, e3000479.	2.6	134
6	IFCN-endorsed practical guidelines for clinical magnetoencephalography (MEG). Clinical Neurophysiology, 2018, 129, 1720-1747.	0.7	111
7	Language dominance and mapping based on neuromagnetic oscillatory changes: comparison with invasive procedures. Journal of Neurosurgery, 2010, 112, 528-538.	0.9	83
8	Source Reconstruction Accuracy of MEG and EEG Bayesian Inversion Approaches. PLoS ONE, 2012, 7, e51985.	1.1	83
9	High precision anatomy for MEG. NeuroImage, 2014, 86, 583-591.	2.1	80
10	Discrimination of cortical laminae using MEG. NeuroImage, 2014, 102, 885-893.	2.1	65
11	Dynamic state allocation for MEG source reconstruction. NeuroImage, 2013, 77, 77-92.	2.1	64
12	Dissecting the Function of Hippocampal Oscillations in a Human Anxiety Model. Journal of Neuroscience, 2017, 37, 6869-6876.	1.7	39
13	Magnetic Field Mapping and Correction for Moving OP-MEG. IEEE Transactions on Biomedical Engineering, 2022, 69, 528-536.	2.5	26
14	Identifying spatially overlapping local cortical networks with MEG. Human Brain Mapping, 2010, 31, 1003-1016.	1.9	25
15	Whole-Brain Neural Dynamics of Probabilistic Reward Prediction. Journal of Neuroscience, 2017, 37, 3789-3798.	1.7	18
16	Quantifying the performance of MEG source reconstruction using resting state data. NeuroImage, 2018, 181, 453-460.	2.1	13
17	Working Memory Replay Prioritizes Weakly Attended Events. ENeuro, 2017, 4, ENEURO.0171-17.2017.	0.9	11
18	Optimising beamformer regions of interest analysis. NeuroImage, 2014, 102, 945-954.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Does function fit structure? A ground truth for non-invasive neuroimaging. NeuroImage, 2014, 94, 89-95.	2.1	8
20	Sustained Magnetic Responses in Temporal Cortex Reflect Instantaneous Significance of Approaching and Receding Sounds. PLoS ONE, 2015, 10, e0134060.	1.1	8
21	Neuromagnetic effects of pico-Tesla stimulation. Physiological Measurement, 2015, 36, 1901-1912.	1.2	8
22	Population Level Inference for Multivariate MEG Analysis. PLoS ONE, 2013, 8, e71305.	1.1	7
23	Non-linear Parameter Estimates from Non-stationary MEG Data. Frontiers in Neuroscience, 2016, 10, 366.	1.4	7
24	Simultaneous estimation of brain structure and function with MEG/EEG data. , 2017, , .		0
25	Reply to "Clinical practice guidelines or clinical research guidelines?" Clinical Neurophysiology, 2018, 129, 2056-2057.	0.7	0