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Research outputs

The influence of inter-regional delays in generating large-scale brain networks of phase synchronization

Williams, N., Ojanperä, A., Siebenhühner, F., Toselli, B., Palva, S., Arnulfo, G., Kaski, S. & Palva, J. M., 1 Oct 2023, In: *NeuroImage*. 279, p. 1-22 22 p., 120318.

Modules in connectomes of phase-synchronization comprise anatomically contiguous, functionally related regions

Williams, N., Wang, S. H., Arnulfo, G., Nobili, L., Palva, S. & Palva, J. M., 15 May 2023, In: *NeuroImage*. 272, p. 1-16 16 p., 120036.

Comparison of Methods to Identify Modules in Noisy or Incomplete Brain Networks

Williams, N., Arnulfo, G., Wang, S. H., Nobili, L., Palva, S. & Palva, J. M., 1 Mar 2019, In: *Brain Connectivity*. 9, 2, p. 128-143 16 p.

Markov Model-Based Method to Analyse Time-Varying Networks in EEG Task-Related Data

Williams, N. J., Daly, I. & Nasuto, S. J., 21 Sept 2018, In: *Frontiers in Computational Neuroscience*. 12, 18 p., 76.

Method for exploratory cluster analysis and visualisation of single-trial ERP ensembles

Williams, N. J., Nasuto, S. J. & Saddy, J. D., 30 Jul 2015, In: *Journal of Neuroscience Methods*. 250, p. 22-33 12 p.

Evaluation of Empirical Mode Decomposition for event-related potential analysis

Williams, N., Nasuto, S. J. & Saddy, J. D., 2011, In: *Eurasip Journal on Advances in Signal Processing*. 2011, 965237.

Activities

Biophysical network models of phase-synchronization in MEG resting-state

Williams, N. (Speaker)
4 Nov 2021

Institute of Mathematical Sciences India

Williams, N. (Visiting researcher)
Jan 2020 → Mar 2020

Frontiers in Computational Neuroscience (Journal)

Williams, N. (Editorial board member)
2020

Network: Computation in Neural Systems (Journal)

Williams, N. (Editorial board member)
2018

Biomedical Signal Processing and Control (Journal)

Williams, N. (Reviewer)
2011 → 2020

Biomedical Signal Processing and Control (Journal)

Williams, N. (Reviewer)

2011 → 2020

Brain Connectivity (Journal)

Williams, N. (Reviewer)

2011 → 2020

Entropy (Journal)

Williams, N. (Reviewer)

2011 → 2020

Eurasip Journal on Advances in Signal Processing (Journal)

Williams, N. (Reviewer)

2011 → 2020

Frontiers in Behavioral Neuroscience (Journal)

Williams, N. (Reviewer)

2011 → 2020

Frontiers in Computational Neuroscience (Journal)

Williams, N. (Reviewer)

2011 → 2020

Frontiers in Neuroscience (Journal)

Williams, N. (Reviewer)

2011 → 2020

Human Brain Mapping (Journal)

Williams, N. (Reviewer)

2011 → 2020

IEEE Access (Journal)

Williams, N. (Reviewer)

2011 → 2020

IEEE Transactions on Neural Systems and Rehabilitation Engineering (Journal)

Williams, N. (Reviewer)

2011 → ...

Journal of Neuroscience Methods (Journal)

Williams, N. (Reviewer)

2011 → 2020

Network: Computation in Neural Systems (Journal)

Williams, N. (Reviewer)

2011 → 2020

NeuroImage (Journal)

Williams, N. (Reviewer)

2011 → 2020

PLoS Computational Biology (Journal)

Williams, N. (Reviewer)

2011 → 2020

PloS One (Journal)
Williams, N. (Reviewer)
2011 → 2020