Microstatic Network

Overview

Microstates, brief instances of distinct spatial topographies measured with electroencephalography (EEG), offer a novel approach to studying whole-brain network dynamics at a sub-second scale. While emerging literature is leveraging microstate dynamics in adults and children to understand mature. Legal status (The legal status is an assumption and is not a legal conclusion. Google has not performed a legal analysis and makes no representation as to the accuracy of the status listed.) Current Assignee (The listed assignees may be inaccurate. However, the functional aspects of these microstates have not yet been systematically reviewed.

Microstatic Network

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Analyzing brain network information differences based on fewer channels is the novel approach described in this paper. The optimal feature subset (OFS) obtained by feature selection ...

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Functional connectivity key feature analysis of cognitive impairment

This article proposes a microstate-based brain network construction method and analyzes the microstate temporal parameters of three groups: healthy control, patients with MCI, and ...

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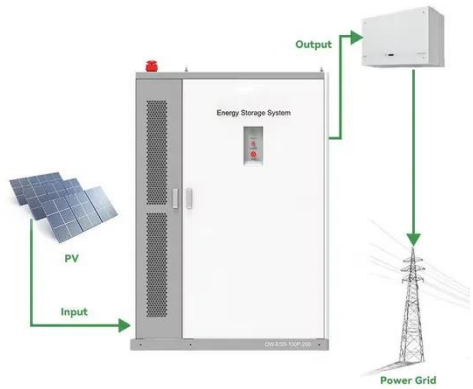

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Spatiotemporal dynamics of EEG microstate networks over the first ...

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The Functional Aspects of Resting EEG Microstates: A

The microstate approach allows the evaluation of rapidly changing cortical network reorganization that occurs to mediate complex mental activities and optimally respond to frequently ...

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EEG microstate-based static and dynamic brain functional network

Autism has garnered significant attention due to its abnormal brain network function. EEG microstates are

brief, stable patterns of brain activity during rest, lasting 80-120 milliseconds before ...

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The results indicates that the abnormality of early PD pathological brain network is reflected in the brain network based on microstate class to the greatest extent.

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Microstates in Resting-State EEG: Current Status and Future Directions

Microstate analysis of EEG may be a powerful, inexpensive, and clinically translatable neurophysiological method to study and assess global functional states of the brain in health and ...

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