

Zhongmin Energy predicts wind power generation

This study presents an attention-based spatial-temporal graph neural network-long short-term memory (ASTGNN-LSTM) model designed to predict wind speed and solar radiation using 20 ...

Based on the research gap identified, the main objective of this study is to present significant advancements in renewable energy forecasting, with an emphasis on wind power generation.

The latest announcement of Zhongmin Energy: All units of the second phase of the Putian Pinghai Bay Offshore Wind Farm Project are connected to the grid for power generation

This paper presents an innovative approach to short-term (1 to 6 hour horizon) wind power forecasting at a national level. The method leverages Automated Deep Learning combined ...

Regional-scale holistic wind power prediction (WPP) is pivotal to securing the safety, stability, and economic efficiency of power systems.

On the basis of monthly historical data and focusing on key issues in clean energy development, this study aims to analyze wind power and solar power generation quantitatively.

Among them, wind power generation capacity in Fujian Province was 2,621 billion kilowatt-hours, a year-on-year decrease of 3.45%, and feed-in power, a year-on-year decrease of 3.40%; Heilongjiang ...

To harness wind energy and ensure a secure and stable power grid after wind power integration, precise predictions of wind power generation are imperative. Here, we apply one-year data from a coastal ...

This paper presents a comprehensive review of machine learning techniques applied to wind power prediction, emphasizing their advantages over traditional physical and statistical models.

In this paper, an open dataset consisting of data collected from on-site renewable energy stations, including six wind farms and eight solar stations in China, is provided.



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