Zhangxu Solar Power Generation

The objective of this study is to construct a comprehensive dynamic model with an error compensation to explicitly interpret causal relationships of the solar power generation for PV solar ...

As a novel solar energy utilization method, integrated solar combined cycle (ISCC) system has the advantages of low investment and high efficiency, and has been paid more and more attention.

This study explores the construction of a human-centered, human-machine collaborative educational paradigm, providing theoretical reference and practical cases for the digital development ...

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Although challenges such as limited data and model interpretability remain, the continued integration of machine learning with advanced experimental techniques is expected to significantly ...

High-precision forecasting of PVPG forms the basis of the production, transmission, and distribution of electricity, ensuring the stability and reliability of power systems. In this work, we propose a deep ...

Here, we report a combination of solution- and neat-film-based molecular solar thermal (MOST) systems, where solar energy can be stored as chemical energy and released as heat, with ...

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