Development of Internet-based Distributed Energy

The main objective of this paper is to address how the Internet of Things (IoT) would meet the requirements of smart and distributed power generation.

This paper presents an intelligent web-based energy management system (iW-EMS) specifically designed to address the integration and optimization of distributed energy resources, as outlined in ...

DNV GL together with its partners, Geli and Group NIRE, will develop an Internet of Energy (IoEn) platform for the automated scheduling, aggregation, dispatch, and performance validation of network ...

This study reviews the research progress of EI distributed control technologies based on AI in recent years. It can be found that AI-based distributed control methods have many advantages in ...

To achieve low-carbon sustainable energy development, new ...

The findings of this study include identifying the requirements and enabler factors influencing the IoT-based distributed generation that would be useful for policymakers and decision ...

The paper aims to contribute to this growing area of research by accumulating and summarizing the significant ideas of the integration of distributed prosumers and small-scale VPP to ...

This study combines bibliometric and content analysis to explore DRE evolution, emerging trends, and international development differences, along with future research directions.

To achieve low-carbon sustainable energy development, new technologies such as Internet of Energy (IoE), intelligent systems and Internet of Things (IoT) as well as distributed energy ...

The research is extended to examine unresolved issues and potential directions for P2P blockchain-based energy sharing in the future. In fact, this paper also demonstrates the importance ...

RES-based distributed energy resources (DERs) are being installed across the world at a rapid pace. By the end of 2017, the installed capacity of renewables comprised 34% of the total ...

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