Internet Smart Energy Analysis

Smart energy management based on the Internet of Things (IoT) aims to achieve optimal energy utilization through real-time energy monitoring and analyses of pow

Our study evaluates the effectiveness of IoT-based frameworks in managing energy within smart cities, specifically evaluating the impact of these technologies on reducing energy consumption ...

It is predicted that the IoTs are to be utilized to enhance energy usage, increase sustainable energy use, and reduce the environmental effects of energy application. This study ...

ide the necessity for efficient building maintenance, it becomes imperative to explore innovative energy management solutions. We present a comprehensive review of Internet of Things (IoT)-based ...

Smart energy meters, empowered by IoT, offer real-time monitoring, remote data access, and efficient energy consumption management. This review explores key developments, technologies, and ...

Against this backdrop, this research paper seeks to explore the design, development, and implementation of a Smart Home Energy Management System (SHEMS) that leverages IoT and ...

To achieve a comprehensive analysis of research trends in IoT-enabled Smart Energy Hubs (SEH), this article employed a rigorous search methodology. The focus was on indexed, ...

This paper reviews the state-of-the-art algorithms for energy/power disaggregation and public datasets of power consumption. Also, potential use cases for smart energy management based on IoT ...

The utilization of smart technologies based on the Internet of Things (IoT) and Machine Learning (ML) has emerged as a crucial strategy for enhancing energy efficiency, particularly in...

This study describes a novel, integrative strategy that integrates IoT and Artificial Neural Networks (ANNs) in a smart monitoring mobile application intended to optimize energy usage and ...

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