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This paper presents a novel hierarchical Internet of Things (IoT)-based scheme for Microgrid-Enabled Intelligent Buildings to achieve energy ...

Biography Yaohong Huang received the B.S. degree from the School of Automation, Guangdong Polytechnic Normal University, where he is currently pursuing the M.S. degree in control theory and ...

This paper presents a holistic datadriven power optimization approach based on deep reinforcement learning (DRL) for microgrid control considering the multiple needs of decarbonization, ...

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Bibliographic details on A Holistic Power Optimization Approach for Microgrid Control Based on Deep Reinforcement Learning.

Abstract Microgrid systems integrated with renewable energy sources (RES) and energy storage systems (ESS) have played a crucial role in providing more secure and reliable energy and ...

This paper studies the long-term energy management of a microgrid coordinating hybrid hydrogen-battery energy storage. We develop an approximate semi-empirical hydrogen storage ...



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