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To achieve a low-carbon economy, a micro-grid cluster energy interaction operation strategy is proposed, and a microgrid cluster low-carbon economy optimization operation model is further

## Low-Carbon Economic Dispatch of Hydrogen-Based Community

The hydrogen-based community microgrid system (HCMS) offers a new approach to transforming the energy system into a low-carbon one through complementary electri

## Low-Carbon and Economic-Oriented Dispatch Method for Multi-Microgrid

The proposed method can provide a theoretical framework and technical path for low-carbon economic dispatch of multi-microgrids and help the power system to evolve into a zero

## Bidding strategies for multi-microgrid markets taking into

Considering the uncertainty of renewable energy generation within microgrids, a two-layer energy management bidding strategy based on risk indicators is further proposed.

## Climate-Driven Low-Carbon Dispatch Strategy for Photovoltaic

To address these gaps, this paper proposes a climate-driven low-carbon dispatch strategy for photovoltaic-storage-charging microgrids. This strategy bridges the gap between

## Multi-agent Reinforcement Learning-based Joint Design of Low

This work highlights the potential of combining incentive-aware market mechanisms with decentralized learning to support scalable, low-carbon operation in future multi-microgrid systems,

## Low-carbon economic dispatch strategy for microgrids considering

This research presents a strategy for optimizing energy allocation within microgrids to minimize carbon emissions and enhance microgrid systems' economic-environmental benefits.

## Multi-agent Reinforcement Learning-based Joint Design of Low

The challenges of the uncertainties in renewable energy generation and the instability of the real-time market limit the effective utilization of clean energy in microgrid communities. Existing peer-to-peer

## Low-carbon economic dispatch strategy for

This study proposes a multi-energy trading strategy for multi-energy microgrids that

considers carbon tax policies to boost the low-carbon management of multi-energy microgrid clusters.

### Low-carbon optimization of multi-microgrid system operation

On the supply side, carbon quotas are traded among MGs through bargaining-based carbon trading mechanism, while on the demand side, an integrated demand response model is

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