

Liu Gong's groundbreaking work in photovoltaic integration might hold the key--but what's preventing solar from becoming our primary energy source? Let's examine the challenges and emerging ...

Solar power is set to remain the main growth engine, Liu said. Average photovoltaic generation hours are forecast at about 1,320 hours, roughly unchanged from the previous year.

In this study, we propose an all-day solar power generator to achieve highly efficient and continuous electricity generation by harnessing the synergistic effects of photoelectric-thermoelectric ...

Zhang, Z.; Liu, Q.; Wang, C.; Zong, Y. 2025: Efficiency Optimization Method for Photovoltaic Power Generation System Based on Reinforcement Learning and Adaptive Model Predictive Control ...

growth and success in the solar photovoltaic power generation market. As the world's largest energy consumer, China's commitment to renewable energy and its pursuit of a more sustainable energy ...

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This paper proposes a model called X-LSTM-EO, which integrates explainable artificial intelligence (XAI), long short-term memory (LSTM), and equilibrium optimizer (EO) to reliably ...

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