

He is currently pursuing the Ph.D degree in electrical engineering from Tsinghua University. His research interests include power system planning and operation, resource adequacy, and capacity ...

In China's renewable energy power generation system, solar photovoltaic power generation has developed rapidly, and the overall growth rate has risen steadily.

Solar photovoltaic power generation plays a very important role in the development of new energy.

This study aims to estimate China's solar PV power generation potential by following three main steps: suitable sites selection, theoretical PV power generation and total cost of the system.

?Tsinghua University? - ??Cited by 114?? - ?Power system planning? - ?renewable energy? - ?capacity adequacy?

Lithium-ion battery systems have been deployed in practical power system for peak-shaving, demand response, and frequency regulation.

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 ...

By utilizing multi-source data from 2000 to 2020, we calculated solar radiation and photovoltaic power generation potential to provide a thorough and scientific analysis of the suitability ...

Optimal portfolio of a 100% renewable energy generation base supported by concentrating solar power
Renewable and Sustainable Energy Reviews 2022-12 | Journal article DOI: 10.1016/j.rser.2022.112937

This book illustrates theories in photovoltaic power generation, and focuses on the application of photovoltaic system, such as on-grid and off-grid system optimization design.

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