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Shumin Sun received the B.Eng. and M.S. degrees in electrical engineering from Xi'an Jiaotong University in 1989 and 1992, respectively. He is currently with the State Grid Shandong Electric ...

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Due to the high theoretical energy density, low cost, and rich abundance of sodium and sulfur, room-temperature sodium-sulfur (RT Na-S) batteries are investigated as the promising energy storage

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Smart Microgrids

Smart MicroGrids (SMGs) can be seen as a promising option when it comes to addressing the urgent need for sustainable transition in electric systems from the current fossil fuel-based centralised ...

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A set of new metrics for quantitatively assessing the performance of multi-microgrid systems are proposed. The interaction among microgrids and the main grid is considered in the ...

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An Overview on Smart MicroGrids Managing Renewable Energies

It is a small-scale power grid, with its distributed local energy sources, loads



and energy storage systems that can operate connected or disconnected to the main grid.

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Shumin Sun's research works , Shandong University of Technology ...

As a deep connection between agriculture and energy, the rural integrated energy system (RIES) is a micro-scale supply-distribution-storage-demand network, which provides an important means to

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Mr. Shumin Sun Profile

+ Proceedings Article , 18 July 2023
Optimal configuration of multi energy flow system of electric heating and cooling air considering source load uncertainty Jiawei Xing, Shumin Sun, Peng Yu, Yan Cheng, ...

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