

Title: Yang Zhongliang Microgrid

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First, we conducted an experiment to record the videos of design process and design sketches from 12 designers for 15 minutes. Then, we executed a video analysis of body language in designers,...

Traditional DSC strategy of a hybrid AC/DC microgrid (MG) needs multiple communication links between interlinking converter (IC) and DGs, which makes the communication network complex and affects ...

A three-phase power flow solution approach for microgrids with electric vehicle (EV) demands is proposed in this study. Based on the loop frame of reference, a direct iterative approach ...

LZ Haochen Qi, Zhiwen Hu, Zhongliang Yang, Jian Zhang*, Jie Jayne Wu*, Cheng ...

Island microgrids, as highly flexible and efficient energy systems, provide distinct advantages in integrating renewable energy sources, enhancing energy utilization efficiency, ...

This paper presents a review of the microgrid concept, classification and control strategies. Besides, various prospective issues and challenges of microgrid implementation are ...

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