

Hydrogen storage capacity planning for multiple types of microgrids considering shared trading mechanism: ... SI Yang, CHEN Laijun, CHEN Xiaotao, et al Optimal capacity allocation of hydrogen energy storage in ...

The microgrid is an autonomous system composed of distributed new energy (DNE), energy storage, and loads. It initiative the local accommodation and efficient utilization of DNE ... Laijun Chen: Methodology, Writing - review & editing, Supervision.

Chen Laijun. Tsinghua University; Yibo Hao. Yibo Hao. This person is not on ResearchGate, or hasn't claimed this research yet. ... The microgrid profit and return of investment can also be ...

Resilient Active Power Sharing in Autonomous Microgrids Using Pinning-Consensus-Based Distributed Control, IEEE Transactions on Smart Grid, 2019,10(6): 6802-6811. 2) Sicheng Deng, Laijun Chen*, Xiaonan Lu, Tianwen ...

Microgrids" efficient electric vehicle charging system should be something that needs to be widely available and accessible . Electric charging stations would need to be established in three kinds of regions ... Chen, Laijun ? Mei, Shengwei. An integrated control and protection system for photovoltaic microgrids. CSEE J. Power Energy Syst ...

Laijun Chen, Member, IEEE and Shengwei Mei, Fellow, IEEE Abstract-The microgrid has shown to be a promising solution for the integration and management of intermittent renewable

SI Yang, CHEN Laijun, CHEN Xiaotao, et al Optimal capacity allocation of hydrogen energy storage in wind-hydrogen hybrid system based on distributionally robust[J]. Electric Power Automation Equipment, 2021, 41 (10): 3- 10 [14] ???, ??, ???, ? ?????????????????????????[J].

Chen Laijun; Yuyang Wang; Libin Yang ... A microgrid is a promising approach to provide clean, renewable, and reliable electricity by integrating various distributed generations and energy storage ...

Laijun Chen; Chen Shen [...] Chen Fang; The hierarchical control structure is widely investigated for a microgrid. Conventionally, the tertiary control layer and the primary and secondary control ...

The microgrid has shown to be a promising solution for the integration and management of intermittent renewable energy generation. This paper looks at critical issues surrounding microgrid control and protection. It proposes an integrated control and protection system with a hierarchical coordination control strategy consisting of a stand-alone operation mode, a grid-connected ...

Sharing hydrogen storage capacity planning for multi-microgrid investors with limited rationality: A differential evolution game approach ... Chen, Laijun Hao, Yibo Wang, Zaichuang Changxing, Yang Mei, Shenwei: subjects: Capacity planning Evolutionary game Limited rationality Multi-microgrid Sharing hydrogen storage: ispartof: Journal of ...

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controlled microgrids ISSN 1751-8687 Received on 28th June 2017 Revised 24th May 2018 Accepted on 6th July 2018 E-First on 11th September 2018 doi: 10.1049/iet-gtd.2018.5620 Xiangyu Wu^{1,2}, Laijun Chen^{2,3}, Chen Shen², Yin Xu¹, Jinghan He, Chen Fang⁴

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microgrids: A state-based potential game approach Wenkai Yuan¹ Laijun Chen^{1,2} Tianwen Zheng³ Sicheng Deng¹ Shengwei Mei¹ ¹Department of Electrical Engineering, Tsinghua University, Beijing, China ²Key Laboratory of Advanced Perception and Intelligent Control of High-end Equipment, Ministry of Education, Anhui Polytechnic University, Wuhu, China

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