

Cooperative communication base station energy method

The embodiments of the invention provide an adaptive method for base station cooperation in a wireless network.

Abstract: Optimizing energy consumption and aggregating energy storage capacity can alleviate 5G base station (BS) operation cost, ensure power supply reliability, and provide flexible ...

This paper develops a method to consider the multi-objective cooperative optimization operation of 5G communication base stations and active distribution network (ADN), constructs a description model ...

Abstract: In this paper, we introduce an energy efficient communication architecture that encourages the use of renewable energy through exchange of power and dynamic access.

Guo W., Mao Y., Chen Y., Zhang X. (2022) Multi-objective optimization model of micro-grid access to 5G base station under the background of China's carbon peak shaving and carbon ...

A joint load control based on energy sharing and dynamic on/off switching of a small base station is investigated in to reduce the grid power and efficiently utilize the renewable energy ...

In this paper, we propose to improve the density of SBS distribution hierarchically as well as the number of its layer, avoiding the difficulties in achieving high density antennas, which is known as the ...

In this context, a cooperative BS assignment and resource allocation (CBARA) strategy is proposed in this paper, aiming at jointly optimizing the communication and sensing (C& S) performance.

In this paper, a distributed collaborative optimization approach is proposed for power distribution and communication networks with 5G base stations. Firstly, the model of 5G base ...



Cooperative communication base station energy method

Web: <https://ovalventures.co.za>

