Oppose Xiaojian Communication Green Base Station

In this paper, we aim to minimize the total power consumption of the HCNs by jointly designing energy-efficient user association and SBS switching schemes.

To address this, we propose a multi-cell sleep strategy combined with adaptive cell zooming, user association, and reconfigurable intelligent surface (RIS) to minimize BS energy consumption.

To address this challenge, scholars have focused on developing sustainable 5G base stations.

Energy efficiency and renewable energy are the main pillars of sustainability and environmental compatibility. This study presents an overview of sustainable and green cellular ...

This paper develops a method to consider the multi-objective cooperative optimization operation of 5G communication base stations and Active Distribution Network ...

To further explore the energy-saving potential of 5 G base stations, this paper proposes an energy-saving operation model for 5 G base stations that incorporates ...

To address the energy consumption issues of communication base stations, we have implemented a series of measures to transform traditional base stations into low-carbon ...

In this article, a robust RL-based multicells sleeping model called graph deep deterministic policy gradient (GDDPG) is developed for handling highly complex communication scenarios. ...

One key measure to mitigate emissions has been through the development of Green Base Stations, covering: 1. Deployment of new energy-saving technologies: The ...

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The green base station solution involves base station system architecture, base station form, power saving technologies, and application of green technologies. Using SDR-based ...

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