

How to solve the background noise of green communication base station

mutual interference model of multiple ISAC base stations, which consists of communication and radar sensing related interference. Moreover, we propose a joint optimization algorithm (JOA) to solve the ...

To enhance system efficiency and establish green wireless communication systems, this paper investigates base station sleeping and power allocation strategy based on deep reinforcement ...

Various green communication approaches such as BS hardware improvement, sleep mode technique, radio transmission, deployment and network planning (UAV-based) and energy harvesting have ...

This paper discusses green base stations in terms of system architecture, base station form, power saving technologies, and green technology applications. It explores effective ways of ...

Presenting state-of-the-art research on green radio communications and networking technology by leaders in the field, this book is invaluable for researchers and professionals working in wireless ...

5g base station communication in the UK Investing in the communication infrastructure transition requires significant scientific consideration of challenges, prioritisation, risks and uncertainties.

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. Besides, we ...

To cope with the problem of no or difficult grid access for base stations, and in line with the policy trend of energy saving and emission reduction, Huijue Group has launched an innovative ...

In this paper, a new radio resource management algorithm is proposed which aims the reduction of supply power consumption at the base station for multi-user MIMO-OFDM. The proposed algorithm ...



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