Communication protocol of green base station

However, achieving green, low-carbon 6G networks requires overcoming technical challenges in hardware design, communication protocol optimization, and energy management.

This paper primarily assesses green solutions, then discusses the several issues it raises and provides the most significant measures that could help reduce the negative impacts ...

We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular ...

The paper presents literature survey on the protocols to improve energy efficiency in green communication networks. It elaborates the various aspects of analysis, design, distribution, ...

Summarizing existing and ongoing research, the book explores communication architectures and models, physical communications techniques, base station power-management techniques, ...

An energy-efficient protocol has been proposed in this work, in order to find the optimal routing protocol between the sensor nodes and the base station in IoT networks, ...

Green wireless communication can be achieved with the use of Green handover, Green codes, Green electronics, Green power amplification systems, Green antennas and Green base ...

This book serves as a one-stop reference for key concepts and design techniques for energy-efficient communications and networking and provides information essential for the design of ...

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. ...

We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

In this paper, we develop new energy-efficient, radio resource management schemes for green wireless networks. Our goal is to optimize energy consumption at the network scale while ...

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