Relationship between communication green base station and

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 ...

In this article, a robust RL-based multi-cells sleeping model called Graph Deep Deterministic Policy Gradient (GDDPG) is developed for handling highly complex communication ...

Green network aims to promote the sustainable development of communication systems, and base station (BS) and cells sleeping has been proven effective in reducing the ...

When a base station"s energy supply is derived from renewable energy sources in a smart power grid, it is important to determine how this would be best used for communications.

Our research addresses the critical intersection of communication and power systems in the era of advanced information technologies. We highlight the strategic importance of ...

In this chapter, we review the state-of-the-art literature on green networking mainly from two perspectives, i.e., saving energy at base stations (BSs) and enhancing renewable energy ...

In this paper we assess the benefits of adopting renewable energy resources to make telecommunications network greener and cost-efficient, tacking "3E" combination-energy security,...

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Are green cellular base stations sustainable?This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular networks.

In this paper we assess the benefits of adopting renewable energy resources to make telecommunications network greener and cost-efficient, ...

Green communication is an innovative research area to find radio communication and networking solutions that can significantly improve energy efficiency and resource efficiency of wireless ...

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