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Title: Communication green base station and transmission line maintenance

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

This program ensures that electric transmission system inspection and preventive maintenance activities are conducted in accordance with the applicable Pacific Gas and Electric Company (Company), ...

This paper aims to consolidate the work carried out in making base station (BS) green and energy efficient by integrating renewable energy sources (RES). Clean and green technologies ...

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 ...

In today's 5G era, the energy efficiency (EE) of cellular base stations is crucial for sustainable communication. Recognizing this, Mobile Network Operators are actively prioritizing EE for both ...

In this paper, we present the main considerations for green communications and survey the related research on AI-based green communications. We focus on how AI techniques are adopted to ...

In this paper, we thus propose a novel green rate-and-power control transmission scheme for the BS transmission to address the problem of the energy minimization at BS transceivers subject to certain ...

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

The standard information database on the official website of CarbonNewture covers international standards, domestic standards, regional standards and group standards and other ...



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